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# MUZZY BROTHERS

## SEEDS

## IMPLEMENTS

## POULTRY SUPPLIES

ESTABLISHED 1835

# 1918

## PATERSON, N.J.

# SPECIAL NOTICE



**W**E make a specialty of supplying the best strains of seeds that can be produced. We are always on the alert for a better strain, and if we find it we spare no expense in securing seed stock of it.

Owing to the war it is impossible to procure many varieties of seeds. Foreign and domestic seed crops were all exceedingly light this season, especially peas and beans which were almost total failure. It will be well therefore to state when ordering whether we are at liberty to substitute or not. Customers can depend upon our using our best judgment in substituting other equally good sorts for those orders which we may not be able to supply.

**TERMS OF GUARANTEE** The seeds offered in this catalogue have been carefully grown, selected, cleaned and tested for germination, and we believe them to be first class in every respect, but we cannot guarantee the crop as too many conditions enter into it, therefore we give no warranty, expressed or implied, as to description, purity, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are to be returned at once, and if the money has been paid for them it will be refunded.

**MUZZY BROS.**



1835 - 1918

# Muzzy Brothers



N presenting this revised edition of our Illustrated General Catalogue, we wish to thank our customers for their liberal past patronage and take pleasure in soliciting their further valued orders.

This is our 83rd Annual Catalogue. It contains lists of the very choice seeds, bulbs, roots and some other things that we have to offer for 1918. You can make up your order from its pages with entire confidence in the exceptional quality of the products we are offering.

Our catalogues have always received a considerable amount of study. The cultural directions and descriptions in them are concise and to the point.

A house that, during the eighty-three years it has been in business, has clung firmly to its original idea of supplying seeds of the highest grade only, gaining thereby the confidence and loyal friendship of a steadily increasing number of both amateur and professional gardeners.

Years of research have been devoted to seeds, and we have eliminated quite a number of once well-known varieties that have been superseded by incomparably better sorts. If you had your mind set upon buying one particular kind of corn, for instance, and fail to find it listed herein, you may rest assured that something far better has taken its place.

We would suggest that your order be made up as soon after the receipt of this catalogue as possible. It will help us to ship promptly, and it will help you by giving you your goods just when you want them. Placing orders late sometimes makes delays unavoidable. But we have the facilities for handling a vast amount of business, and your orders will receive the promptest attention regardless of when they come.

If there is any information you want that is not given in this catalogue, write us about it. We will give all inquiries our careful attention.

May we have the pleasure of filling your order?



## “JOHN BAER” TOMATO

The Earliest and Best Tomato on Earth—Shipping Fruit in 30 Days

### QUALITY

Earliest and best in 28 varieties; brilliant deep red color; smoothest; no core; almost free from seed; delicious flavored; far more solid and meaty than any other; no culls; ripens even up to the stem; perfect beauties; uniform in size and ripening; picks two to one to any other variety; from 105 to 122 perfect fruit to the vine; a perfect shipper; blight proof.

### EARLINESS

Ten days earlier than Earliana in Canada; the earliest tomato in New Jersey; 10 days earlier than Globe in Florida; planted six weeks later but come first in Texas; 3 weeks ahead of any in Virginia; 3 weeks ahead of any in New York; 3 weeks ahead of any in Washington; 2 weeks ahead of any in Maryland; set out May 30, picked ripe fruit June 17, in New York.

Package, 25c.

## STOKES' BONNY BEST TOMATO

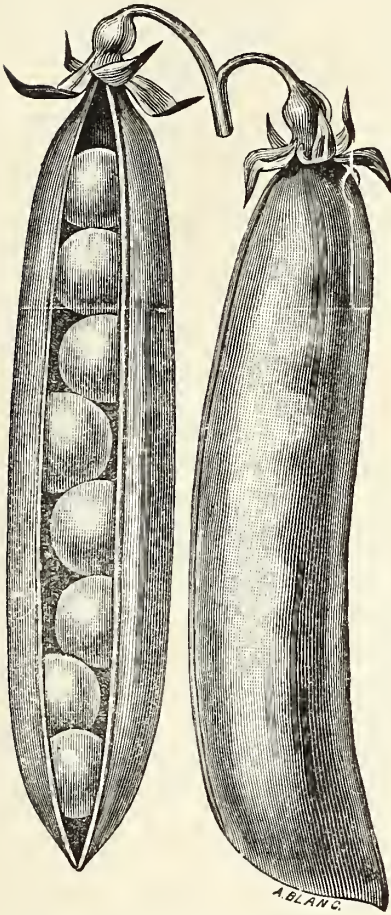
Introduced by Walter P. Stokes in 1908, and Now Generally Recognized  
as the Best Standard Early Tomato

The good name of Stokes' Bonny Best Tomato is better established among America's market-gardeners than it has ever been. The United States Department of Agriculture, practically every state experiment station, large canning houses, big shippers and thousands of home gardeners endorse this Tomato as being the most satisfactory early variety ever introduced. Our entire 1915 seed crop has been grown right here at Moorestown under our own care and supervision, and we know definitely what we are offering. Stokes' Bonny Best is nearly as early as the Earliana, setting from twelve to fifteen smooth, round, globe-shaped fruits at the crown setting, with a new cluster at every branch. Its color is an intense, glowing scarlet, ripening to the stem without crack or black spot. It has very often produced yields of from twelve to fifteen tons to the acre, grading as No. 1.

Price: Pkt. 10 cts., oz. 40 cts.,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.



## THE WORLDS RECORD PEAS



The World's Record Peas are of the Gradus type only they are about a week or ten days earlier and we think more prolific.

They are a large wrinkled early pea with a pod nearly as large as Gradus, with large peas, tender, of good quality and flavor. Very quick to germinate, maturing with the earliest sorts, and with quick, warm, rich, soil and favorable conditions a fairly good cropper. Foliage large and luxuriant, pale green. Pods 4 inches long, straight, slightly rounded at the point. Seed large, wrinkled, cream colored tinged with green. Height of stem 36 inches.

Pkg., 15c; ½ pt., 30c; 1 pt., 60c; 1 qt., \$1.00

## Bountiful Bean

### A FLAT GREEN-PODDED BUSH BEAN

**A Prolific and Continuous Bearer. The First in Spring, the Last in Fall. Absolutely Stringless, Very Tender.**

This superior variety is a distinct improvement in green Bush Beans and has become exceedingly popular wherever known. Our customers who have grown it are en-

thusiastic in its praise; some of them say, "You do not praise it half enough." The plant is remarkably handsome and of thrifty growth, being practically rust and mildew proof. It is very hardy, extremely early, very prolific and bears continuously for several weeks; it is the first to give pods fit to pick in the spring, and the last to yield edible pods in the fall. But the crowning merit of this grand Bush Bean is in the rich green pods, which are of immense size, thick, broad, extra long, very uniform in shape, solid, meaty and of high quality, meltingly tender and having a delicious flavor exclusively their own. Moreover, the pods are absolutely stringless and entirely free from any tough, membranous lining, not only when young, but this tender "snap brittle" quality is retained even into maturity.

We advise leaving a few of the older pods to be used as green shell Beans, in which condition they are most palatable. It is equally valuable as a dry shelled Bean.

Pkg., 15c; ½ pt., 25c; 1 pt., 45c; 1 qt., 80c.

# ITALIAN SQUASH

(COZELLE DI NAPOLI)

Italian Vegetable Marrow.---A very distinct variety.

Stems not running, very thick and short, producing numerous leaves of a dark green color, very large, and very deeply cut into five or six lobes, which are also more or less notched. The luxuriant foliage forms a regular bush. Fruit very much elongated, being 20 inches or more in length, with a diameter of 3 to 4 inches, furrowed by five ribs, which are most prominent on the part next the stalk, where the fruit is also narrowest; skin very smooth, of a dark green, marbled with yellow or with paler green. All though Italy, where this Gourd is very commonly grown, the fruit is eaten quite young, when it is hardly the size of a small Cucumber, sometimes even before the flower has opened, when the ovary, which is scarcely as long or as thick as the finger, is gathered for use. The Plants, which are thus deprived of their undeveloped fruit, continue to flower for several months most profusely, each producing a great number of young Gourds, which, gathered in that state, are exceedingly tender and delicately flavoured.

Price, Pkg., 5c; 20c oz.; 60c  $\frac{1}{4}$  lb.; \$2.00 lb.

## GARDEN GUIDE

### The Amateur Gardener's Handbook

How to Plan, Plant and Maintain the Home Grounds, the Suburban Garden, the City Lot.

How to Grow Good Vegetables and Fruit.

How to care for Roses and Other Favorite Flowers, Hardy Plants, Trees, Shrubs, Lawns, Porch Plants and Window Boxes. Chapters on Garden Furniture and Accessories, with Selected Lists of Plants, etc.

Heavily illustrated with teaching plans and diagrams and reproduced photographs all made expressly for this Great Little Text Book.

Price, 50 cents.

# MUZZY BROTHERS ANNUAL Seed Catalogue For 1918

Prices Subject to Change.

It is our endeavor to maintain the prices quoted in this Catalogue throughout the season, but owing to the present very unsettled conditions they are subject to change without notice.

Muzzy Brothers give no warranty, expressed or implied, as to the description, quality, productiveness or any other matter of any seeds, bulbs or plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

## ARTICHOKE

German, Artichocke; French, Artichaut; Spanish, Albaehofa.

French Globe .....	Pkt.	Oz.
	\$0.25	\$2.00
The Seeds should be sown early in the spring, in drills an inch and a half deep, and one foot apart. The next spring transplant to permanent beds, in rows or hills three feet apart and two feet between the plants. Plant in a deep rich, moist loam, and the plants should be protected in winter by a covering of leaves or coarse manure. A bed will continue bearing for several years.		
Jerusalem Artichoke, Tubers.....	.25	cts. each

## ASPARAGUS

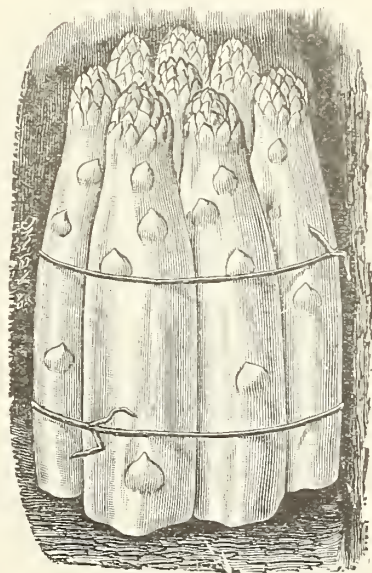
German, Spargel; French, Asperge; Spanish, Esparrago.

	Per oz.	¼ lb.	Per lb.
Columbia, producing pure white shoots....	\$0.10	\$0.25	\$0.75
Conover's Colossal.....	.10	.20	50
Palmetto, a light green variety .....	.10	.20	.50
Giant Argenteul, large stalks .....	.10	.25	.75
ROOTS	Per	Per	Per
	50	100	1000
Roots Colossal, 2 years..	\$0.60	\$1.00	\$8.00
“ Palmetto, 2 years .60	1.00	8.00	
“ Columbia, 2 years .60	1.00	8.00	
“ Argenteul, 2 yrs. .60	1.00	8.00	

Sow the seeds early in spring, in drills 15 inches apart, and about a dozen to the foot in the drill; keep the soil mellow and free from weeds during the summer, and in the succeeding spring transplant to permanent beds which should be done in the following manner as described by a cultivator of Oyster Bay Asparagus.

Plant on sandy soil. To grow Asparagus in perfection, the soil need not necessarily be richer than it must be to produce a good crop of corn. Some experiments have shown that by heavily manuring the crop cannot be made permanently greater than by moderate dressings. It is not desirable to plant them out very early; more plants will fail to grow than when the planting is deferred until the soil is dry and warm.

In planting for private use; set out in rows two feet apart, and allow twelve inches in the row. Set the plants at least six inches below the surface. For market on a large scale, set four feet apart one way and two the other which will allow the use of a horse and cultivator to keep the weeds under.





## BEANS

German, Gartenbohne; French, Fève de Marais; Spanish, Hava.

### English or Broad.

	½ Pt.	Pt.	Qt.
Broad Windsor .....	\$0.30	\$0.50	\$0.90
Sword Long Pod.....	.30	.50	.90

This class is very hardy and should be planted as soon as the soil is in good state in the spring. Plant four inches apart, and two inches deep in drills four feet apart. To insure well filled pods, pinch off the tops as the lower pods begin to set.

**Dwarf Green Podded Snap Beans**, ½ pt., 30c; 1 pt., 50c; 1 qt., .90c. pod, very early. (See Novelties.)

**Bountiful, Extra Early**. Very prolific and long bearing. Flat greenpods, tender and stringless. ½ pt., 25c; pint, 45c; qt., 80c.

**Valentine Black**, long round, green, solid pod, very early, per qt. 50c, ½ pk., \$1.75.

**Valentine, Giant Stringless**, about seven days later than extra Early Valentine. Slightly curved pod, brittle and stringless; a strong grower and good yielder. ½ pt., 30c; pt., 60c.; qt., \$1.00.

**Valentine, Early**. Productive, tender and of excellent flavor. ½ pt., 30c., pt., 50c., qt., 90c.

**Horticultural Dwarf, Late**. Productive, broad, flat stringless pods. ½ pt., 30c; pt., 50c; qt., 90c.

**Muzzy's Stringless Green Pod**, the best stringless bean grown. Ten days to two weeks earlier than the valentine; pods full and fleshy, extremely crisp and absolutely stringless. Very productive. ½ pt., 30c; pt., 60c; qt., \$1.00.

**Early Mohawk**. Very productive and of good quality. ½ pt., 25c; pt., 45c; qt., 80c.

**Long Yellow Six-Weeks**, early, excellent variety for general crop. ½ pt., 30c; pt., 50c; qt., 90c.

**Extra Early Refugee**, similar to late Refugee, pods two weeks earlier. ½ pt., 30c; pt., 50c; qt., 90c.

**Refugee or Thousand to One**. (Late Variety). The pods are round and full, stringless and of fine quality. ½ pt., 30c; pt., 50c; qt., 90c.

**Burpee's Bush Lima**. beans are large as Large Lima, stout growth, branches vigorously, bearing 50 to 200 large pods well filled with very large beans. ½ pt., 30c; pt., 50c; qt., 90c.

**Burpee's Improved Bush Lima**, an improved strain of B. B. L., much larger pods and beans, enormously productive, extra early. ½ pt., 30c; pt., 50c; qt., 90c.

**Fordhook Bush Lima**. ½ pt., 30c; pt., 50c; qt., 90c.

**White Marrowfat**, grown for sale in the dry state. ½ pt., 30c; pt., 50c; qt., 90c.

**Long White Kidney**, excellent as a shell bean, green or ripe. ½ pt., 30c; pt., 50c; qt., 90c.

### Dwarf Wax Varieties

**Refugee Wax, Stringless**, good for early or late, immense yielder. ½ pt., 35c; pt., 60c; qt., \$1.00.

**Golden Eyed Wax**, very early, prolific, free from rust. ½ pt., 35c; pt., 60c; qt., \$1.00.

**Round Pod Kidney Wax**, same as Wardell's, only round pods. ½ pt., 35c; pt., 60c.

**Wardell's Kidney Wax**, extra early, long flat pods, very productive. ½ pt., 35c; pt., 60c.





**BEANS—Dwarf Wax Varieties, Continued.**

**Black Wax or Butter Improved**, very early and profollic. The pods are round, full, stringless; of very fine quality. ½ pt., 30c; pt., 50c; qt., 90c.

**Davis' White Wax**, beans pure white pods, yellow, flat, tender, rich. ½ pt., 35c; pt., 60c; qt., \$1.00.

**Golden Wax**. This valuable variety is about ten days earlier than the Black Wax, pods large, long seci-round, brittle, stringless. ½ pt., 30c; pt., 50c; qt., 90c.

**Yosemite Mammoth Wax**, the largest pods of all wax varieties. ½ pt., 35c; pt., 60c; qt., \$1.00.

	½ Pt.	1 Pt.	1 Qt.
Hodson Wax, very large, tender, pods stringless, very productive.....	\$0.30	\$0.50	\$0.90
White Wax, stringless, round pods, beans pure white, strong grower.....	.35	.60	1.00

**BEANS, Pole or Running Varieties.**

<b>Challenger Lima</b> . Potato variety, five and six a pod .....	.25	.40	.75
<b>King of Garden Lima</b> . Vigorous in growth and immensely productive, pods large, numerous and well filled and beans of an enormous size, Generally grown for main crop .....	.25	.40	.70
<b>New Early Jersey</b> . Very early .....	.25	.40	.75
<b>Large White Lima</b> . A greatly esteemed variety .....	.25	.40	.70
<b>Kentucky Wonder, or Homestead Extra Early</b> . Pods long tender and good flavor, very productive .....	.25	.40	.75
<b>New Lazy Wife</b> . Long green pods, good quality, white beans .....	.25	.40	.75
<b>Dutch Case Knife</b> . A very productive variety, one of the earliest ....	.25	.40	.70
<b>Horticultural or Speckled Cranberry</b> . A popular variety for private use, equally serviceable in the green state or when shelled .....	.25	.40	.70
<b>Scarlet Runner</b> . Beautiful scarlet flowers; for ornamental and table use .....	.25	.40	.75
<b>Black Wax</b> . Pods long thick and fleshy, pale yellow color, waxy appearance, very productive and tender, excellent as a snap or shell-ed green .....	.30	.50	.90
<b>Early Golden Cluster</b> . Bright yellow pods, stringless, in clusters .....	.30	.50	.90
<b>Yard Long, French</b> . Pods sometimes grow from 2 to 3 ft. long, are very slender like a pipe stem, should be grown on pea bush. Crop Failed.			

Sow Bush sorts in drills about two feet apart, and drop the beans about three inches apart in the drill, cover two inches or less for a succession, sow at intervals of two weeks. Lima beans should not be planted until settled weather; make rich hills, four feet apart each way set a pole eight or ten feet high in each; press the beans into the soil eye down, six or eight to each pole, and when they are well up, thin out to four.

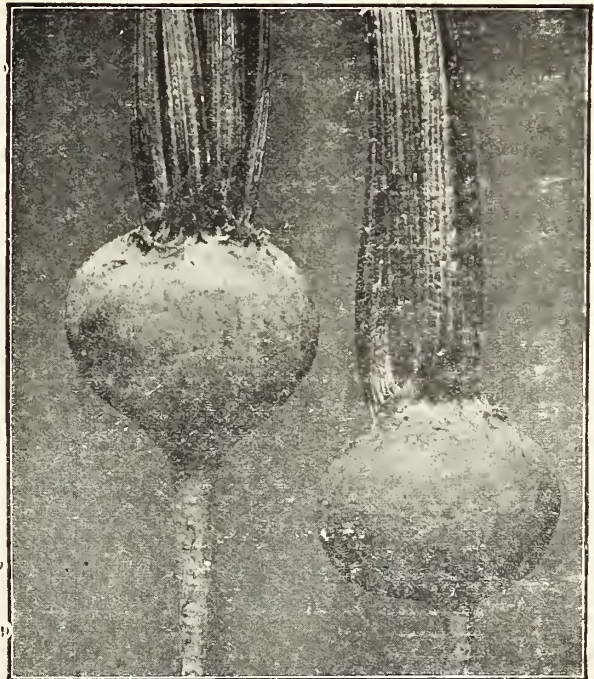
A quart of Limas is sufficient for 75 to 80 hills, and a quart of Bush Beans will sow a row 100 long.

**BEETS**

German, Runkelrub; French, Bour-rache; Spanish, Remolacha.

**Detroit Dark Red**. A splendid beet for market or home use, of a deep color, tender and of delicate flavor. Oz., 25c; ¼ lb., 75c; lb., \$2.50.

**Dark Red Egyptian Crosby's**. The earliest beet in cultivation, color deep crimson; of excellent quality. Oz., 25c; ¼ lb., 75c; lb., \$2.50.



DETROIT DARK RED BEET.

**BEETS—Continued.**

	Per oz.	¼ lb.	Per lb.
<b>Extra Early Eclipse.</b> Very early good size. ....	25	65	2.25
<b>Early Flat Bassano.</b> Chiefly valuable for its earliness .....	25	75	2.50
<b>Early Blood Turnip.</b> Standard early sort, an excellent .....	25	75	2.50
<b>Edmands.</b> Market garden variety, uniform shape, dark .....	25	65	2.25
<b>Dewing's Blood Turnip.</b> Of fine form and flavor.....	25	65	2.25
<b>Long Smooth Blood Red.</b> An excellent late variety .....	25	65	2.25
<b>Swiss Chard.</b> Used for its leaves, which are cooked as spinach (see p. (28) ..	25	75	2.50
<b>Swiss Chard Lucullus</b> (See page 28).....	30	85	3.00

**MANGEL-WURZEL AND SUGAR.**

Varieties used for feeding stock. Sow 6 lbs. per acre.

	Per oz.	¼ lb.	lb
<b>Mammoth Red Mangel-Wurzel.</b> Producing roots of mammoth size, very regular, and with a small top.....	\$0 15	\$0 50	\$1 75
<b>Yellow Globe Mangel-Wurzel.</b> Roots very large and globular.....	15	50	1 75
<b>Long Yellow Mangel-Wurzel.</b> Good for general crop.....	15	50	1 75
<b>Golden Tankard Mangel-Wurzel.</b> A new and very valuable variety of fine form and sweet flavor, bright yellow in color, when cut it shows interior ring, similar to most varieties of garden beet.....	15	50	1 75
<b>White Silesian Sugar Beet.</b> Extensively grown for feeding stock and manufacture of sugar .....	15	50	1 75
<b>Wilmorin's Improved Sugar Beet.</b> An improved variety.....	15	50	1 75
<b>Lane's Improved Sugar Beet.</b> Improved variety of the French Sugar Beet, obtained by careful selection in this country.....	15	50	1 75

A rich, deep open soil is the best suited to the culture of Beets. Fresh manure is undesirable but land that has been well manured the previous year is highly suitable. For an early supply sow in the spring as soon as the ground becomes fit to work, in drills about one foot apart and two inches deep. For main crop sow the first week in May, and for winter use sow in June. When the plants have obtained three or four leaves, thin out, so that they may stand eight or nine inches apart. Keep free from weeds by hand weeding and hoeing. Those intended for winter use may be taken up in October, and stored in dry sand in the cellar or outhouse. Before storing, leaves and fibers must be cut off, but care must be taken not to bruise the main root.

**BORAGE**

German, Borritch; French, Bourrache; Spanish, Berraja.

	Per oz.	¼ lb.	lb.
<b>Borage,</b> used as a pot herb; also as a salad, or can be boiled, and also for garnishing, but chiefly required for claret cups and other cooling drinks. Bees are very partial to the flower .....	\$0 25	\$0 60	\$2 00

**BROCCOLI**

German, Spragel Kohl; French, Chou Brocoli, Spanish Brocoli.

	Per oz.	¼ lb.
<b>Early White,</b> heads medium size, compact, creamy white color, most certain to head .....	\$0 30	\$1 00
<b>Purple Cape,</b> differing from the preceding color, greenish purple .....	30	1 00
<b>White Cape</b> .....	30	1 00
<b>Mammoth White</b> .....	30	1 00

A favorite European vegetable, nearly allied to the Cauliflower, but more hardy and surer to head; the seeds should be sown in this district in the early part of May and transplanted in June; farther south the sowing should be delayed until June or July, and the transplanting accordingly from August to October. In parts of the country where the thermometer does not fall below 20 or 30 degrees, broccoli may be had in perfection from November until March. It succeeds best in a moist and rather cool atmosphere.



**BRUSSELS SPROUTS**

German, Sprossen-Kohl; French, Chou de Bruxells; Spanish, Breza de Brussels.



**Dalkeith Dwarf Improved**, a variety producing compact sprouts of excellent quality, oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

A tender, delicious vegetable. The plant grows two or three feet high, and produced from the sides of the stalks numerous little sprouts, one or two inches in diameter, resembling cabbage. The leaves which look like a Savoy should be broken down in the fall, to give the little cabbages room to grow. They are very tender and sweet after early frosts. Sow early in hot-beds, or in seed-beds in May transplant and cultivate the cabbage.

**CABBAGE**

German, Kopfkohl; French, Chou; Spanish, Berza de pepollo



COPENHAGEN MARKET

Oz. ¼-lb. lb

**Copenhagen Market.**

The finest, large, round-headed, early Cabbage; very solid and of fine quality; short-stemmed \$0.45 1.35 4.50

**Enkhuizen Glory.**

Large, early, white, solid, ball shaped heads .45 1.35 4.50

**All Seasons**, fine variety, for second

early or late growing, good size. .40 1.25 4.00

**Early Jersey Wakefield.** The leading

variety for market, very early, of medium size, good quality, sure to head.. .45 1.35 4.50

**Charleston Wakefield.** Large strain

of the above. .50 1.50

**Autumn King.** We

believe this to be

one of the finest strains of Cabbage ever offered. It produces regular, even heads of enormous size.....	.50	1.50	
<b>Early Flat Dutch.</b> This is one of the best early cabbages in cultivation.....	.40	1.25	
<b>Early Summer.</b> A valuable early sort resembling the Early Flat Dutch.....	.45	1.35	4.50
<b>Early Winnigstadt.</b> Heads large, one of the best for general use.....			Crop failed
<b>Henderson's Succession.</b> A second early or late variety, a sure header; seeds sown in March produce large heads in June.....	.45	1.35	4.50
<b>Muzzy Extra Amagar Danish Ball-Head.</b> Large, round, solid, sweet and crisp, sure header.....	.40	1.25	4.00
<b>Large Late Drumhead.</b> An excellent fall and winter variety, grows to a large size.....	.45	1.35	4.50
<b>Larfie Late Flat Dutch.</b> The most popular variety for late cultivation.....	.45	1.35	4.50
<b>Red Stone Head.</b> Used almost exclusively for picking.....	.40	1.25	4.00
<b>Drumhead Savoy (American).</b> The largest heading sort, of excellent flavor.....	.40	1.25	4.00
<b>Chinese (Pe Tsai)</b> .....	.40	1.25	4.00

For very early use plant in the autumn from 10th to 25th, September, in a seed bed, and protect in cold frames during the winter, being careful to set them down to the first leaf. Transplant in the following spring, as the soil will admit. For autumn and winter use, plant in seed-bed in May and early part of June, and when six inches high transplant into rich soil, two feet apart each way for the early varieties, and three by two and a half feet for the large winter varieties. To secure the best results, the soil should not be too dry, but should be thoroughly enriched, and the crop should be hoed at least once in ten days. Sow in hot bed early in spring, seed of the early kind for a second crop; also the late varieties for winter use.

## CARROT

German, Moehren; French, Carotte; Spanish.

The Carrot, like other root crops, delights in a sandy loam, deeply tilled. It should never be sown on newly manured ground as forked roots are sure to be the result. It is best to sow on ground that has been well manured the previous year for some other crop such as Celery, Potatoes, Onions or Peas, but avoid such crop as Cabbage and Turnips, or any of the tap rooted sections. For early or main crops sow the latter part of April; for later crops, they may be sown any time until the beginning of June. Sow in rows about 15 inches apart and half an inch deep, thinning out to three or four inches between the plants.

**Early French Forcing.** The earliest variety, valuable for forcing; root small and of fine flavor, oz., 25c; ¼ lb., 85c; lb., \$2.75

**Early Round Parisian.** Small for frames or open ground, oz., 25c; ¼ lb., 85c; lb., \$2.75.

**Early Scarlet Horn.** Old and favorite sort, much esteemed for early summer, oz., 25c; ¼ lb., 75c; lb., \$2.50.

**Half Long Danvers.** A variety intermediate in size and period of maturity between the preceding and the Dong Orange, oz., 25c; ¼ lb., 75c; lb., \$2.50.

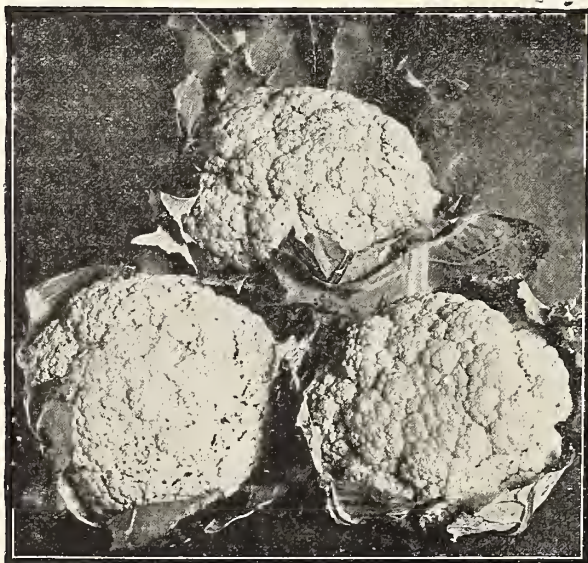
**Half Long Stump Rooted Chantenay.** Like Nantes, broader shoulder, oz., 25c; ¼ lb., 85c; lb., \$2.75.

**Half Long Rubicon Finest Carrot in existence,** oz., 25c; ¼ lb., 75c; lb., \$2.50.

<b>Half Long Stump Guarande or Oxheart.....</b>	\$0 25	\$0 75	\$2 50
<b>Half Long Stump Nantes.....</b>	25	75	2 50
<b>Carentan.</b> A new early variety without core. It is an excellent sort for forcing, or used as an early kind of planting in the open ground.....	25	75	2 50
<b>Long Orange Improved.</b> Roots of large size, equally adapted for garden or farm culture .....	20	60	2 00
<b>Large White Belgian.</b> Grown almost exclusively for stock .....	15	50	1 50



DANVERS CARROT.



EARLY SNOW BALL CAULIFLOWER

## CAULIFLOWER

German, Blumen-Kohl; French, Chou-flour; Spanish, Coliflor.

**Extra Early Dwarf Erfurt.** Short stem; fine. Pkt. 25c, oz. \$4.00.

**Extra Early Paris.** This is one of the earliest and best varieties, heads large, white and compact, of fine quality. Pkg., 25c; oz., \$1.25.

**Early Snowball.** Admirably for forcing, very solid, pure white heads. Pkg., 25c; oz., \$3.00.

**Large Early Dwarf Erfurt.** The earliest and best of all varieties. Pkg., 25c; oz., \$4.00.

**Algiers.** Popular late variety, sure to head, excellent for market. Pkt. 10c, oz. 75c, ¼ lb. \$2.25, lb. \$8.00.

**Early London.** Pkg., 10c; oz., 75c. \$1.35. lb. \$4.50.



**CAULIFLOWER—Continued**

**DENMARK. Special Large Late.** Very fine variety, large white compact heads, necessary the space between plants be greater than other varieties. Pkt., 25c; oz., \$3.00.

Cauliflower delights in rich, moist soil and in dry seasons should be abundantly watered. The seeds may be sown in September and wintered over in the same manner as described for early cabbage. Where this is not practicable, it may be had nearly as well by sowing the seed in the hot-bed in January or February and trans-planting the plants at two or three inches apart in boxes, or in the soil of another hot-bed, until such time as they are safe to be planted in the open ground, which in this latitude, is usually from the 15th of March to the 10th of April. If properly hardened off, they are seldom injured by being planted out too early.

**CELERY**

	Oz.	¼-lb.	lb.
German, Celeri; French, Celerei; Spanish, Aph.			
Thorburn's Fin de Siecle .....	\$0.25	\$0.85	\$2.75
Rose Ribbed Self-Blanching. A sort of golden-Self-Blanching; very choice	.30	.85	3.00
Evans' New Triumph. Solid and crisp, fine nutty flavor .....	.25	.75	2.50
Giant Pascal. Stalks very large, thick and crisp .....	.25	.75	2.50
Golden Self-Blanching. Similar to White Plume; much larger in growth	1.00	3.50	12.00
Large Ribbed Kalamazoo. Half-dwarf White, Solid .....	.25	.75	2.50
White Plume. Requires very little banking .....	.30	.85	3.00
Pink Plume. Similar to White Plume, stalks tinged with pink, good keeper	.25	.75	2.50
Sandringham Dwarf White, Soup Celery. An imported variety of fine flavor; soup greens .....	.25	.75	2.50
Boston Market. An excellent dwarf, growing white variety .....	.25	.75	2.50
Celery Seed for Flavoring .....	.05	.20	.50

**CELERIAC**

**TURNIP ROOTED CELERY**

German, Knob-Celeri; French, Celeri Rave.

**Giant Prague.** For soups, etc. When sliced and cooked makes good winter salad. Oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

**Apple.** Small foliage. oz. 30c, ¼ lb. 85c, lb. \$3.00.

The seeds may be sown in the open ground in April, as soon as the ground can be nicely worked. Sow about half an inch deep, and be careful to firmly press the soil over the seed; this should be done by treading over the rows with the feet after sowing; this prevents the air drying up the seed, which thereby loses its vitality and fails to germinate. Many valuable crops are annually lost by inattention to this important particular. After the seed is up, keep carefully clear of weeds until the time of planting June and July; the crops may be shorn off once or twice before planting; this make them "stocky" and they suffer less in being transplanted. After the ground has been well prepared, plant in rows from three to four feet apart, according to the variety, setting the plants about six inches apart and pressing the soil firmly about the roots.

German, Bisenlauch; French Cerfeuil;

**CHERVIL**

Spanish Cerafolio.

Per oz. ¼-lb. lb.

Curled .....	\$0.20	\$0.60	\$2.00
Plain like above but not curled .....	.20	.60	2.00

The young leaves are used in soups and salads. Sow thinly in May, in drills half an inch deep, one foot apart.



**CELERY**

### CHICORY

German, Chicorie; French, Chicoree Saur; Spanish, Escarola.

Per oz. ¼-lb. lb.

<b>Common.</b> This variety produces the "Barbe de Capucin," a salad much used in France. Sown in June the roots are transplanted in autumn into sand in a cellar; the shoots of which will come up soon from the "Barbe de Capucin"...	\$0.20	\$0.60	\$2.00
<b>Large Rooted.</b> Used to mix with or a substitute for coffee. Cultivation same as the carrot....	.20	.60	2.00
<b>Witloof or French Endive.</b> See endive.....	.50	1.25	



### CRESS

German, Kress; French, Cressen; Spanish, Mastueroz.

<b>Curled Cress or Peppergrass</b> .....	.10	.35
<b>Water Cress</b> .....	.60	2.00

Are excellent for small salads; the leaves, while young have a warm, pungent taste. They can be used alone or mixed with Lettuce, Mustard, or other salad plants. Sow thickly at frequent intervals for succession, and treat in the same manner as mustard.

### CORN SALAD OR FETTICUS

German, Ackersalat; French, Mache; Spanish, Macha Valeneanilla.



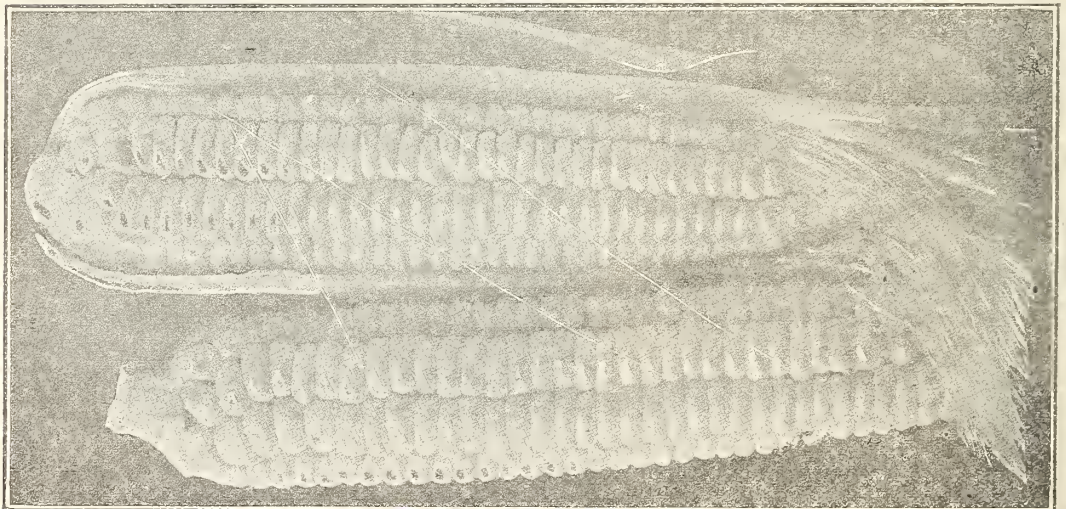
<b>Large Seeded</b> .....	\$0.15	\$0.50	\$1.50
<b>Lettuce Leaved</b> .....	.20	.60	1.75
<b>Small Seeded</b> .....	.15	.50	1.50

Corn Salad, Feticus or Lambs Lettuce is used to a considerable extent as a salad. It is sown on the first opening of spring in rows one foot apart and is fit for use in six to eight weeks from the time of sowing. If wanted to come out early in spring, it is sown in September, cover up with straw or hay as soon as cold weather sets in and is wintered over the same way as Spinach.

### WHITLOOF CHICORY

### CORN---Sweet

German, Zucker Welshkorn; French, Maise de Sucre; Spanish, Maiz de Azucar.





CORN—Continued.

EXTRA EARLY VARIETIES.

	Pkt.	pt.	qt.	½-pk.	pk.
Early Dawn Extra Early. Earliest of all the Extra Early sweet corn .....	\$0.15	\$0.35	\$0.60	\$1.75	\$3.00
Golden Bantam Extra Early. Yellow, very sweet and tender..		.40	.75	2.50	4.00
Early White Cory. Earliest grown, fit for use 60 days after planting. Very sweet, good size, white cobs.....	.15	.35	.60	1.75	3.00
Mammoth White Cory. Ears double size of the old Cory.....	.15	.35	.60	2.00	3.00
Perry's Hybrid. Very early and of large size; extra early....	.15	.35	.60	1.75	3.00
Early Minnesota. Very early; ears fairly sized and uniforms, plants rather dwarf; one of the best early kinds; extra early	.15	.35	.60	2.00	3.00

SECOND EARLY OR INTERMEDIATE.

Early Champion. Large ears, very sweet and productive. The earliest large sort grown and fine for either home or market use .....	.15	.35	.60	2.00	3.00
Early Mammoth. Large and not very late; general crop....	.15	.35	.60	2.00	3.00
Crosby's Early Sugar. Early sorts; ears short, from 12 to 15 rows, second early.....	.15	.35	.60	2.00	3.00
Moore's Early Concord. Ears large and well filled from 12 to 20 rows; second early.....	.15	.35	.60	2.00	3.00
Early Evergreen. A second early variety, resembling Evergreen; general crop.....	.15	.35	.60	2.00	3.00
Long Island Beauty Early. Excellent, medium early, large size, sweet .....	.15	.35	.60	2.00	3.00

GENERAL CROP AND LATE.

Stowell's Evergreen. A late variety, of excellent quality, remaining longer in the green state than any other; general crop .....	.15	.35	.60	2.00	3.00
Hickox Improved. A new variety of superior excellence is 12 rowed, straight and handsome; a superior market kind; general crop .....	.15	.30	.50	1.60	2.75
Mammoth Sugar. A late variety of large size, very sweet and immensely productive. A leading variety.....	.15	.35	.60	2.00	3.00
Country Gentleman. The sweetest and most tender of all sweet corn, late crop.....	.15	.40	.75	2.50	4.00
Moonachi or Sugar. Tender, sweet and productive; general crop .....	.15	.35	.60	2.00	3.00
Black Mexican. One of the sweetest varieties.....	.15	.30	.50	1.60	2.75
Sweet Fodder. For ensilage.....				1.50	2.50

FIELD CORN.

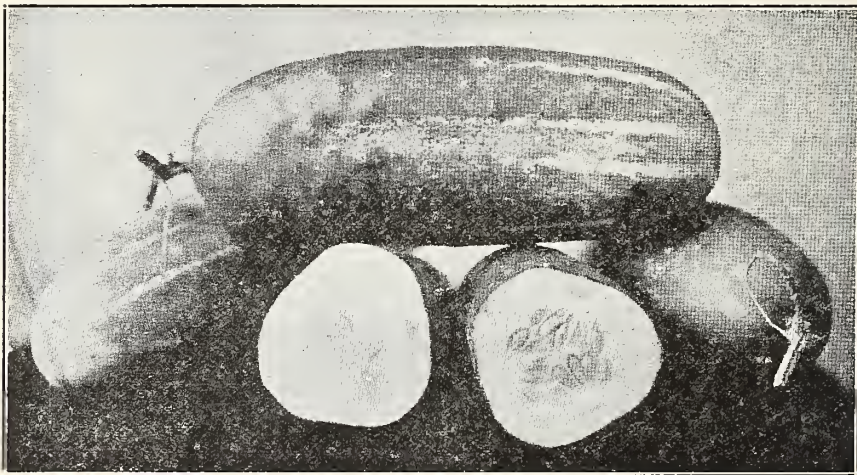
Mastodon Dent. Very early strong growing .....					
Pride of the North. (Dent) very early .....					
Leamings Yellow. (Dent) early .....					
Champion White Pearl .....					
Early Canada. Yellow kernels .....					
Large Yellow Flint .....					
Large White Flint .....					
Chester County Mammoth. Large, late yellow dent .....					
Southern Horse Tooth. For fodder .....					
Eureka White Dent, for ensilage 12 to 14 rows, one of the best ensilage varieties, the fodder growing up to 17 feet, in some places matures in 120 to 130 days. See Novelties. ....					

(All corn crops are very light this year owing to early frosts and the supply of sound seed corn is very limited. Prices on application.)

## CUCUMBERS

German, Gurken; French, Concombre; Spanish, Pepino.

	Per oz.	¼-lb.	lb.
<b>Rice's Early Fortune.</b> Best market and shipping sort.....	\$0.20	\$0.60	\$2.00
<b>Cumberland.</b> The best pickling sort yet introduced, very handsome and productive, flesh fine but very crisp and tender.....	.10	.30	1.00
<b>Forhook Pickling.</b> Prolific, medium size, skin thick.....	.10	.30	1.00
<b>Davis Perfect.</b> For forcing or outdoors, long and straight, valuable for slicing.....	.10	.30	1.00
<b>Cool and Crisp.</b> Very prolific; good for pickling and productive.....	.10	.25	.85
<b>Thorburn's Everbearing.</b> Small size; very early.....	.10	.30	1.00
<b>Japanese Climbing.</b> Can be trained on trellis, or grown on the ground. Skin smooth, dark green; flesh pure white, crisp and mild flavor.....	.15	.35	1.25
<b>Nichols Medium Green.</b> A valuable and handsome variety, in shape between White Spine and Long Green, an excellent sort for pickles and useful for forcing. Very prolific, fruit straight and smooth, color dark green; fresh, tender and crisp.....	.10	.30	1.00
<b>Improved Early White Spine.</b> The best table variety; grows uniformly straight and smooth; dark green; and tender and excellent flavored....	.10	.25	.85
<b>Peerless White Spine.</b> A new variety of the preceding; average length 10 inches; full at both ends; deep green, holding color until mature.....	.10	.25	.85
<b>Arlington White Spine.</b> Fine either for forcing or for outdoors.....	.10	.25	.85
<b>Early Green Cluster.</b> A short, prickly, slender variety, bearing in clusters near the root. It is a great bearer.....	.10	.30	1.00
<b>Early Short Green.</b> The standard for pickling, medium size, straight and handsome. It makes a beautiful pickle that keeps well.....	.10	.25	.85
<b>Long Green.</b> A very excellent variety; a good bearer; about a foot in length rather pointed at both ends; dark green, firm and crisp.....	.10	.30	1.00
<b>Green Prolific Pickling.</b> Very prolific; and said by those who have tested it equally desirable as a market Cucumber.....	.15	.30	1.00
<b>West Indian Gherkin or Burr.</b> A very small oval shaped prickly variety. It is grown exclusively for pickling, and should always be picked when young and tender.....	.20	.40	1.50



Cucumbers succeed best in warm, moist rich loamy ground. They should not be planted in the open air until there is a prospect of settled warm weather. Plant in hills about four feet apart each way. The hills should be previously prepared by mixing thoroughly with the soil in each a shovelful of well rotted manure. When all danger from insects is past, thin out the plants, leaving three or four of the strongest to each hill. **English Frame Cucumber**—Per pkt., 25c **Improved Sion House, Telegraph, Giant of Arnstadt, Duke of Edinburgh, Gen. Grant, Long Gun, Craters's Tender and True, Swan Neck, Blue Gown.**

These varieties are for growing in hot-beds, or in hot-houses, particularly constructed for forcing, so that a supply can be furnished during the winter months, at which time the prices are very remunerative. Sow seeds in November, December and January, according to the time they are wanted for the market.



## DANDELION

German, Pardelblume; French, Pisse en-lit; Spanish, Armagon.

	Per oz.	¼ lb.	lb.
Thick leaved .....	\$0 40	\$1 25	\$4 50
Best French .....	30	85	3 00
Montmagny .....	40	1 25	4 00

The Dandelion is much used for spring salads and resembles Endive. Sow the seed in May or June in drills half an inch deep and 12 inches apart. The plants will be ready for use the following spring.



DANDELION

## ENDIVE OR CHICKORY

German, Endeuien; French, Chicoree; Spanish, Endivia.

	Per oz.	¼-lb.	lb.
Green Curled Winter. Very hardy; leaves dark green, tender and crisp.....	\$0.20	\$0.50	\$1.75
Broad Leaved Batavian. (Escarolle), chiefly used in soups and stews; requires to be tied up for blanching.....	.20	.50	1.75
Early White Curled. (Self-blanching), the best variety; grows to large size; very large and tender .....	.20	.50	1.75



ENDIVE

Moss Curled Early Summer. Used for salads as winter varieties .....	.20	.50	1.75
Witloff or French Endive. New.....	.50	1.25	

Endive is one of the best salads for fall and winter use. Sow for an early supply about the middle of April. As it is used mostly in the fall months, the main sowings are made in June and July, from which plantations are formed at one foot apart each way in August and September. It requires no special soil or manure, and after planting, is kept clear of weeds until the plant has attained its full size, when the process of blanching begins. This is affected by covering up the plants as they grow, with slats or boards, which serves the purpose of excluding the air and light.

## EGG PLANT

German, Eier Pflanz; French, Aubergine; Spanish Bereinfena.

	Per oz.	¼-lb.
New York Improved. Superior market variety of large size and fine variety.....	\$0.75	\$2.50
Black Beauty Tendage. Earlier than New York. Improved and as large, purplish black.....	.60	2.25
Early Dwarf Purple. Medium size.....	.60	2.25
Black Pekin. A fine variety, bearing large round, deep, purple fruits, fine, grand and of superior quality .....	.60	2.25

The Egg Plant is a tender vegetable, and must not be planted out until the weather is warm and settled. Sow early in spring in hot-beds, or if they are not convenient, sufficient plants may be raised for a small garden by sowing a few seeds in common flower pots or in boxes in the house. Plant out early in June from two to three feet apart.



NEW YORK EGG PLANT

### KALE

German, Blatter-Kohl; French, Chou Vert; Spanish, Breton.

Oz. ¼ lb. lb.

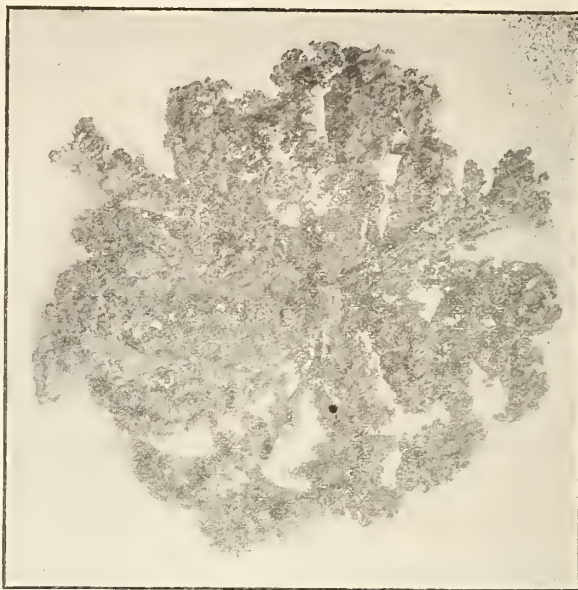
**Siberian German Green or "Sproute."** This variety is extensively used for early greens for which it is sown in the fall in rows one foot apart and treated in the same manner as Spinach; it is ready for use in early spring. Sowing can also be made in spring..... .20 .60 2.00

**Dwarf Green Curled Scotch.** Beautifully fringed dwarf growing kind, with bright green leaves ..... .30 .85 3.00

**Tall Green Curled Scotch.** Tall growing, very hardy variety, leaves a bright green, beautiful curled... .30 .85 3.00

**Dwarf Brown German Curled** ..... .30 .85 3.00

Kale may be grown in almost any soil, but the richer it is the more abundant the product. Sow early in the spring, in prepared beds, covering the seeds thinly and evenly; transplant in June and treat in the same manner as for cabbage. Of all the cabbage tribe this is the most tender and delicate and would be much more extensively grown than it is, if its excellent qualities were generally known. The varieties are all extremely hardy, and are best when touched by frost.



KALE

### KOHL-RABI

German, Kohl-Rabi; French, Chou Rave; Spanish, Colinabo.

Per oz. ¼ lb. lb.

**Early White Vienna.** Flesh white and tender; best market sort; good for table use ..... \$0 30 \$0 85 \$3 00

**Early Purple Vienna.** Differing from the above in color, which is of a bluish purple ..... 30 85 3 00

**Large White or Green.** Large ball, not so fine, but more productive.... 25 75 2 50

Kohl-Rabi or Turnip stemmed cabbage, is a vegetable that is not so much cultivated as it deserves to be. The stem above the ground swells into a bulb, somewhat resembling a turnip: this again is covered with leaves. The edible part is the bulb, which is dressed and served like turnip, and is very delicate and tender when young. It is very hardy, withstands severe drought, and is a good keeper. Cultivate the same as cabbage, but in hoeing be careful not to throw dirt into the heart of the plant, or the bulb cannot form.



KOHL-RABI



## LEEK

German, Lauch; French, Poireau;  
Spanish, Puerro.

Per oz. ¼ lb. lb.

**Large American Flag.**

The kind mostly grown for market... \$0 35 1 00 3 50

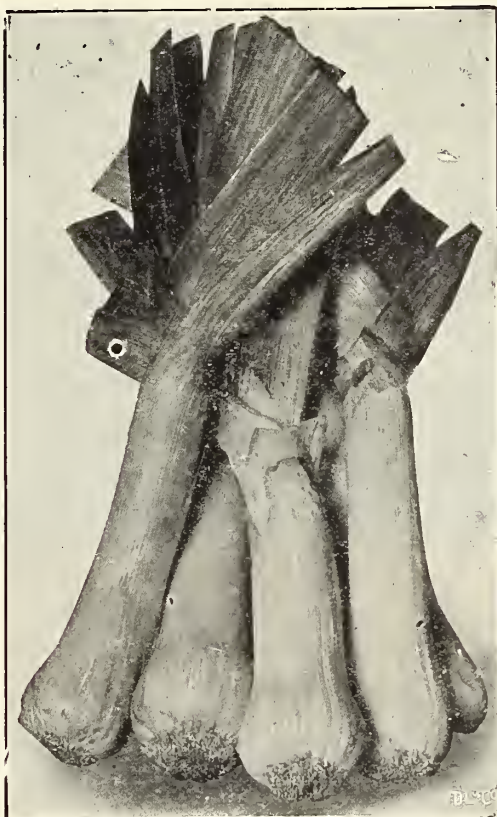
**Large Careten.** A large

growing French variety of excellent quality ..... 35 1 00 3 50

**Large Rouen.** Very

large and fine..... 35 1 00 3 50

The Leek is very hardy and easily cultivated; it succeeds best in a light, but well enriched soil. Sow as early in the spring as practicable, in drills one inch deep and one foot apart. When six or eight inches high they may be transplanted in rows ten inches apart each way, as deep as possible; that the neck, being covered, may be blanched. If fine leeks are desired, the ground can hardly be made too rich.



LEEK

## SEA KALE

German, Seekohl; French, Crambe Maritime;  
Spanish, Berton de Mar.

Sea-Kale Seeds. Very much like Celery, Per oz. 20c. ¼ lb. 60c. lb. \$2.00.

Cultivate for its blanched shoots, which are cooked in the same way as Asparagus. A supply may be had all winter by planting the roots closely in warm cellar before frost. Sow one inch deep in drills two feet apart; thin out to six inches, and the next spring plant in hills three feet apart, three plants in each.

## LETTUCE

German, Laitick; French, Laitue; Spanish, Lechuga.

For early crop, the seed may be sown in the open ground in September, and transplanted to coldframes as soon as large enough to handle. In dry, sheltered spots, by covering up with leaves late in the season. Lettuce plants may be saved over Winter without glass covering. The plants for setting out in Spring are also sown in coldframes in February, and in hotbeds in March, and by careful covering up at night make plants to set out in April.

**Golden Yellow Cos.** Long-standing; solid; golden yellow. Oz., 15 cts.; ¼ lb., 50 cts.; lb., \$1.50.

**Red Cos.** Splendid French sort. Outer leaves red-brown. Oz., 15 cts.; ¼ lb., 50 cts.; lb., \$1.50.

**White Paris Cos.** Of upright growth; fine w. s. Oz., 15 cts.; ¼ lb., 50 cts.; lb., \$1.50.



WHITE PARIS COS.



**MAY KING LETTUCE**

LETTUCE—Continued.

German, Laitick; French, Laitue; Spanish, Lechuga.

	Per oz.	¼ lb.	lb.
<b>MAY KING LETTUCE.</b> Very early, sure header, solid, good flavor....	\$0 15	\$0 50	\$1 50
<b>Thorburn's Maximum.</b> Large and solid heads, heat resisting .....	15	50	1 50
<b>Selected Buttercup.</b> Yellow, solid heads for outdoor forcing .....	15	35	1 25
<b>Big Boston.</b> Similar to Boston Market, double this size .....	15	50	1 50
<b>Early Curled Simpson.</b> Very early and an excellent sort for forcing; is largely grown by the market gardeners .....	15	50	1 50
<b>American Gathering.</b> Twisted and curled leaves, fine for early or late ...	10	30	1 00
<b>Deacon.</b> This magnificent Lettuce stands hot weather better than any other Butter variety. Large, firm heads of creamy white and rich flavor.....	15	50	1 50
<b>Denver Market.</b> For forcing or open ground; large solid heads .....	15	50	1 50
<b>Tennis Ball.</b> (Black seeded), well formed heads hardy and crisp, one of the earliest of heading varieties .....	15	50	1 50
<b>Tennis Ball, or Boston.</b> (White seeded), grows very compact, white and crisp, one of the best for forcing or the open ground .....	15	50	1 50
<b>Salamander Head.</b> Fine compact head, resists heat .....	15	50	1 50
<b>Black-Seeded Butter.</b> Fine market strain .....	15	50	1 50
<b>Large White Cabbage.</b> Excellent for summer; heads of good size .....	20	65	2 00
<b>Black Seeded Simpson.</b> Stands the summer well .....	20	65	2 00
<b>Gray Seeded Butter.</b> One of the best large heads .....	15	50	1 50
<b>Shotwell's Brown Head.</b> Large and handsome; heads hardy; standing summer heat without injury .....	15	50	1 50
<b>Boston Market.</b> Large solid heads, very fine for forcing, and of fine flavor.	15	50	1 50

**ROMAINE OR COS VARIETIES.**

<b>Trianon Cos.</b> The best of the Cos variety .....	15	50	1 50
<b>White Paris Cos (Romaine).</b> Sow early; tie up to blanch .....	15	50	1 50
<b>Golden Yellow Cos.</b> Long standing, large solid heads, crisp and tender ....	15	50	1 50

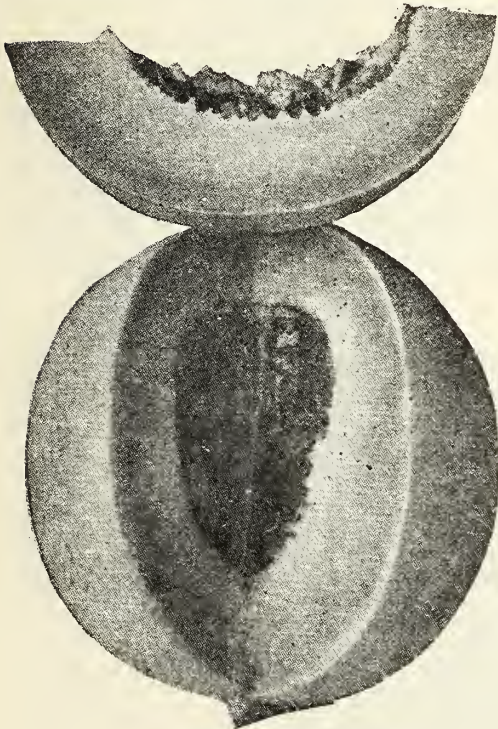
Lettuce is the most popular of all salads. Boiled, is quite equal to Spinach; and it is also sometimes used in soups. It is easy of cultivation, but likes a good rich soil. For early use, sow Simpson and Tennis Ball under glass in February and March and transplant as soon as the ground can be worked. Later sowings may be made in the open ground for successions as long as the weather permits; thin out well or the plants will be weak, and set in rows two feet apart and eight inches between the plants. The best early plants are obtained by sowing in the open ground in September, and transplanting to cold frames the latter part of October, being wintered over in the same manner as early Cabbage. Lettuce requires good ground and abundant moisture.



## MELON, MUSK

German, Melone; French, Melon; Spanish, Melon Muscatel.

	Per oz.	¼-lb.	lb.
Honey Dew. Large, round, delicious, rich green flesh.....	\$0 30	\$1 00	\$3 00
Paul Rose. Handsome, oval orange flesh, sweet.....	15	35	1 25
Long Island Beauty. Similar to Hackensack; very early.....	20	60	2 00
Miller's Cream or Osage. Flesh and salmon color and very thick.....	15	35	1 25
Golden Netted Gem. Early, round, fine small, fine flavor.....	15	35	1 25
Hackensack. Variety of Green Citron, well known among the New York market gardeners, grows to a very large size, productive, exquisite flavor....	15	35	1 25
Montreal Market. Green flesh, very thick, fine flavor.....	15	35	1 25
Long Yellow Cantalope. Yellow flesh, suitable for the market.....	15	35	1 25
Baltimore Market. Oblong; orange flesh.....	15	35	1 25
Jennie Lind. A very early kind, of small size, but delicious flavor.....	15	35	1 25
White Japan. Size medium and nearly round; skin cream white and very thin; flesh pale green, early and sweet.....	15	35	1 25
Rocky Ford. Very sweet; spicy flavored, small and oblong, most popular sort	15	35	1 25



HONEY DEW MELON

Melons thrive best in a moderately enriched live soil; the hills should be six feet apart each way. Previous to planting incorporate well with the soil in each hill a couple of shavelfuls of thoroughly rotted manure; plant twelve or fifteen seeds in each hill early in May, and when well up, thin out three or four of the most promising. Pinch off the leading shoots as the growth becomes too luxuriant, and if the fruit sets too numerous thin out when young, which will increase the size of those remaining, and cause them to ripen quicker.

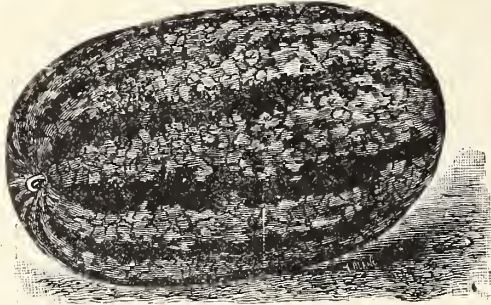
## MELON, WATER

German, Wassermelone; French, Melon d'Eau; Spanish, Zaudia.

	Per oz.	¼-lb.	lb.
Tom Watson. Long and 8 to 10-in. diameter. Thin rind, crisp flesh, fine flavor	\$0.10	\$0.30	\$1.00
Kolb's Gem. Nearly round, dark green.....	.10	.25	.75
Seminole. A new early variety. Long striped sort.....	.10	.25	.75
Pride of Georgia. Dark green, oval in shape; crisp and sweet; very large..	.10	.25	.75
Mountain Sweet. One of the very best for culture; color dark green; and rind thin; flesh scarlet; solid, very sweet and delicious.....	.10	.25	.75
Black Spanish. Shape round, rather small; skin dark green, flesh red, sweet, rich .....	.10	.25	.75
Phinney's Early. Flesh deep red, of a very superior quality; a valuable early market variety .....	.10	.30	1.00
Cuban Queen. Solid and heavy.....	.10	.25	.75
Ice Cream. (White seeded), fruit of medium size, nearly round; skin pale green; rind thin; flesh scarlet, solid crisp, excellent.....	.10	.30	1.00

**MELON, WATER—Continued.**

	Per oz.	¼ lb.	lb.
<b>Battlesnake.</b> Very large, striped, red flesh variety .....	\$0 10	\$0 25	\$0 75
<b>Mammoth Iron Clad.</b> Long and large; thin skin deep red flesh .....	10	25	75



IRON CLAD

<b>The "Boss" Oblong;</b> dark green .....	10	25	75
<b>Citron.</b> (Red seeded), round handsome fruit of small size and used in the making of sweetmeats and preserves .....	10	25	75
<b>Citron.</b> (Green Seeded), used for preserves .....	10	25	75

Plant in hills directed for Muskmelons, giving them more room, as their vines extend much farther. If they are wanted of a large size, three or four melons to each plant will be sufficient, and when only one is allowed to grow from each plant they will grow to an immense size.

**MUSHROOMS**

German, Chimpignoubrut; French, Champignon; Spanish, Hongo.

<b>Imported English Spawn</b> .....	per brick, 25c; 10 bricks, \$2.25; 20 bricks, \$4.00
<b>Imported French Spawn</b> .....	None this season.
<b>American Spawn Bricks</b> .....	per brick, 35c; 10 bricks, \$3.25; 20 bricks, \$6.00

Mushrooms should be grown either in a building especially erected for the purpose or some shed, stable or cellar, where the temperature of from 40 to 60 degrees can be kept up in winter. To every barrow load of fresh horse droppings add about the same weight of loam or soil of any kind that has not been manured. Turn the heap every day, so that it is not allowed to heat violently, until you have quantity enough to form a bed of dimensions required. Be careful that your heap is under cover, so that it cannot possibly get wet. The most convenient size is from three to four feet long and eight inches deep.



Prepare the mixture of loam and manure, making the bed in layers and pounding down each with the back of a spade. Leave this to heat through for a few days, and as soon as the heat subsides to 90 degrees, make holes in the bed about a foot apart each way into which put pieces of spawn two or three inches in diameter; fill up the holes with the compact and at the expiration of a week or ten days the spawn will have thoroughly diffused itself through the bed. Now spread a layer of fresh

**MUSHROOMS**

soil over the heap to the depth of two inches, firm it down moderately and cover with three or four inches of hay or straw. Examine the bed often to see that it does not get dry. When water is given it should be at a temperature of about 100 degrees.

**MUSTARD**

German, Senf; French; Moutarde; Spanish, Mostaga.

	Per oz.	¼ lb.	lb.
<b>White London.</b> Best for salads .....	\$0 10	\$0 20	\$0 50
<b>Black.</b> Used for cooking and salad .....	10	20	50

Mustard in the green state is a refreshing salad, mixed with Cress, Lettuce, or other salad plants. It is necessary to make frequent sowing of it, as it should be cut and used in a very young state, even before the first rough leaf appears. The seed should be sown thickly in light soil, the surface of which should be made very smooth. The seed should be pressed into the soil with the back of a clean spade.



## NASTURTIUM

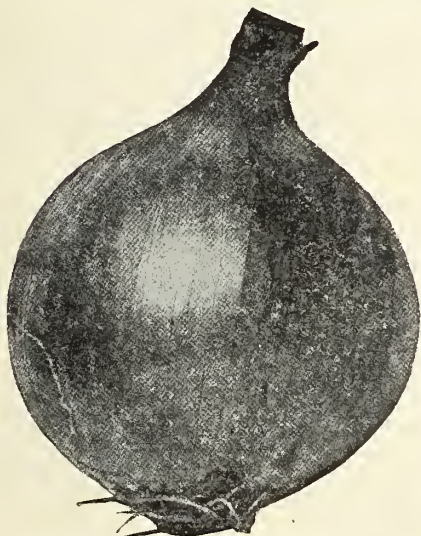
German, Nastrutian; French, Capusine; Spanish, Maranueta.

	Per oz.	¼ lb.	lb.
Tall Scarlet .....	\$0 15	\$0 30	\$1 00
Tall Yellow .....	15	30	1 00
Tall Nasturtium, Mixed .....	20	55	1 75
Dwarf Nasturtium, Mixed .....	20	60	2 00

Cultivate both for use and ornament; the green seed pods preserved in vinegar make an excellent pickle. The young leaves are also useful in salads. Its scarlet and orange-colored flowers which appear freely all summer, add a charm to the garden.

## ONION

German, Zweibel; French, Oignon; Spanish, Cebolia. —



Yellow Globe Prize Taker, 90 days

	Per oz.	¼ lb.	lb.
Early Red Flat. About ten days earlier than the Large Red, and not quite so large.....	\$0 50	\$1 75	\$5 00
Large Red Wethersfield. The staple variety of the Eastern onion growers; of large size, deep in color, a good keeper	45	1 50	4 50
Yellow Globe Danvers. An excellent variety, mild and very productive; ripens early and a good keeper .....	50	1 75	5 00
Prizetaker or Early Globe Spanish. Immense size..	60	2 00	6 00
White Portugal or Silver Skin. A handsome onion of mild flavor; extensively grown for pickling .....	60	2 00	6 00
Southport Red Globe. Similar to the large Red in flavor and color, but quite distinct in form, being nearly globular .....	60	2 00	6 00
Southport White Globe. Form nearly ovoid symmetrical, keeps well, is an excellent variety .....	70	2 25	7 00
Southport Yellow Globe. Same as above, except in color .....	50	1 75	5 00
White Flat Bermuda. Very early .....	60	2 00	6 00
Red Flat Bermuda. Very early .....	50	1 75	5 00

### ITALIAN VARIETIES.

- Adriatic Barletta. White, new variety, fully two weeks earlier than the Queen .....
- Early Queen. Excellent variety, very early, a good keeper and mild flavor white .....
- Giant Rocca. A splendid large variety from Naples, of globular shape, bright brown skin and delicate flavor .....

Application.  
Prices on

The onion thrives best in a rather strong, deep, rich loamy soil, and unlike most vegetables succeeds well when cultivated on the same ground for successive years. The ground should be deeply trenched and manured the previous autumn, and laid up in ridges during the winter to soften. As early in the spring as the ground is in working order, commence operations by leveling the ground with a rake, and tread firmly; sow thinly in drills about a quarter of an inch deep and one foot apart; cover with fine soil and press down with the back of a spade or a light roller. When the young plants are strong enough, thin gradually so that they stand three or four inches apart.

## ONION SETS

White Onion Sets .....	
Yellow Onion Sets .....	
Red Onion Sets .....	
Potato Onions .....	
Shallots .....	
Red Top Onions .....	

Prices on  
Application

### OKRA OR GUMBO

German, Essbarer Safran; French, Gomo; Spanish, Quibombo.



LONG GREEN OKRA.

	Per oz.	¼ lb.	lb.
<b>Improved Dwarf White.</b> Long slender pods, very productive, only 14 inches high.....	\$0 10	\$0 20	\$0 60
<b>Dwarf Green.</b> Early and productive .....	10	20	60
<b>Long Green.</b> Fine long pods, very good .....	10	20	60

The pods in a young state are used in soups, sauces and stews, and are very wholesome and nutritious. It is the easiest culture and grows freely, bearing abundantly when grown in ordinary garden soil. It is sown at the usual time of all tender vegetables in drills two inches deep, setting the plants from two to three feet apart.

### PARSNIPS

German, Pastinake; French, Panals; Spanish, Chirivia.

	Per oz.	¼ lb.	lb.
<b>Guernsey or Cup.</b> Leading variety .....	\$0 20	\$0 65	\$2 00
<b>Long Smooth or Hollow Crown.</b> Long roots .....	20	65	2 00
<b>Early Round</b> .....	20	65	2 00

They succeed best in a deep rich soil that has been well manured the previous season, as manure freshly applied tends to the production of forked and ill-shaped roots. Sow the seed early in spring in drills eighteen inches apart in the garden, and three feet apart in the field, thin the plants to six inches in the drill.

### PARSLEY

German, Petersilie; French, Persil; Spanish, Perjil.

	Per oz.	¼ lb.	lb.
<b>Extra Double Curled.</b> A fine dwarf variety excellent for garnishing .....	\$0 15	\$0 35	\$1 25
<b>Fern Leaves.</b> The most beautiful form of parsley, resembling crested fern or moss in its growth .....	15	35	1 25
<b>Plain Leaves.</b> Hardier than the curled variety .....	10	25	75
<b>Hamburg, or Rooted.</b> Edible roots .....	15	35	1 25

Should be sown very early in the spring in beds or in lines, and the seeds which are somewhat slow to vegetate should be previously soaked 24 hours in warm water. The soil should be kept free from weeds, which should be extracted by the hand, so as to avoid disturbance of the seed when about to germinate. As soon as the plants are large enough they should be thinned out so as to stand five or six inches apart.

### PEAS

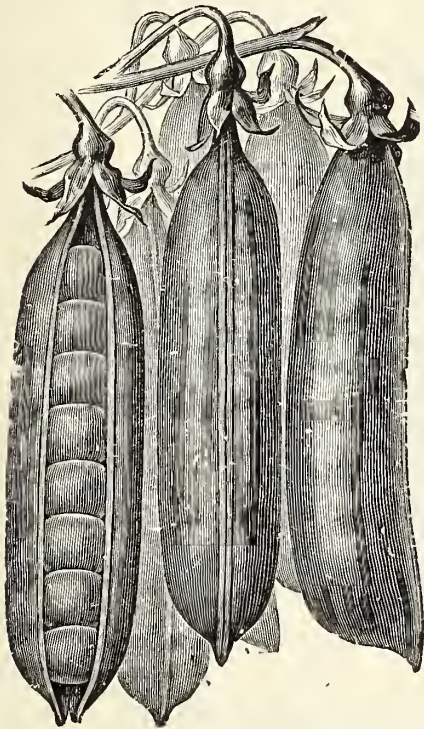
German, Erbsen; French, Pois; Spanish, Guisantes.  
Extra Early Varieties

	Pint	Quart	Prices for larger quantities on application.
<b>Harvester.</b> Medium Early. Large double podded. Heavy cropper. Fine flavor. Vines dark green and very sturdy .....	\$0 35	\$0 65	
<b>Gradus or Prosperity.</b> Earliest wrinkled Pea grown. Can be sown early as the round sorts. Large peas and pods, splendid flavor. Requires no sticks, reaching only 36 inches in ordinary good soil. Height, 3 feet....	35	65	
<b>Thomas Laxton.</b> A cross between Gradus and one of the extra early sorts. Ripens within a day or two of the earliest round varieties; very productive. The pods are large and contain 7 or 8 large, wrinkled Peas of the finest flavor .....	35	65	



PEAS—Continued.

World's Record. 10 days earlier than Gradus. (See Novelties). .25c Pkg., 50c Pint. Pt. Qt.



Nott's <b>Excelsior</b> . Extra dwarf wrinkled, pods larger than American Wonder, 1 foot .....	.35	.60
<b>American Wonder</b> . Earliest wrinkled variety, 1½ feet.....	.35	.60
<b>Alaska</b> . Very early and retain their color well, height 2½ feet.....	.35	.60
<b>First and Best</b> . One of the best extra early Peas. An improved strain of the Extra Early Market, height 2½ feet.	.35	.60
<b>Little Gem</b> . A dwarf green wrinkled Market, very prolific, of superior flavor, and a first early, 1½ feet.....	.35	.60
<b>Premium Gem</b> . A fine flavored dwarf, wrinkled variety; good cropper and fine quality. Height, 18 inches.....	.35	.60

SECOND EARLY VARIETIES.

<b>Heroine Medium Early</b> . Green wrinkled, height, 2½ feet.....	.35	.60
<b>Everbearing</b> . Good size pea, long pod, height 2½ feet.....	.35	.60
<b>McLean's Advancer</b> . Early green wrinkled varieties, delicious flavor, height 2½ feet.....	.35	.60
<b>Pride of the Market</b> . Very large pods, green peas, sow thin, height 2 feet....	.35	.60
<b>Yorkshire Hero, or Dwarf Champion</b> ....	.35	.60
<b>Abundance</b> . 18 inches high, 6 to 8 peas in pod, large and wrinkled.....	.35	.60
<b>Dwarf Telephone</b> . Same quality and productiveness as Telephone excepting the vines grow 2 feet high, pods are large and filled with immense peas of excellent flavor and very sweet.....	.40	.65

Prices for Larger Quantities on Application.

GENERAL CROP.

<b>Prince Edward</b> . An extraordinary cropper, large pods, fine quality, 4 feet.....	.35	.60
<b>Champion of England</b> . A popular wrinkled variety of delicious flavor; profuse bearer. Peas are very large, tender, height 5 feet .....	.35	.60
<b>Telephone</b> . This is the best pea for general crop, both for home and market use. Immediately productive and of finest quality. Vines very strong, averaging 18 to 20 large pods per stalk, 4 feet.....	.35	.60
<b>Stratagem</b> . Mammoth pods, well filled, height 1½ feet .....	.40	.70
<b>Black-Eyed Marrowfat</b> . Grown for market, hardy, productive, 3 ft. bu. \$4.00.....	.30	.50
<b>Mammoth Gray Sugar</b> . Edible pods, a fine flavored variety; can be used in green state like string beans. Height 5 feet.....	.40	.75
<b>Dwarf, Sugar</b> . Edible pods.....	.40	.75

Peas come earlier to maturity in light soil. For general crop a deep rich loam, or strong loam inclining to clay is best. For early crops decomposed leaves or leaf mould should be used, or if the soil is very poor, strong manure may be employed. For general crop a good dressing should be applied, and for the dwarf growing kinds the soil can hardly be too rich. When grown as a market crop, peas are not staked, but sown in single rows, two or three inches deep, two or three feet apart according to the variety. When grown in small quantities for private use,

**PEAS—Continued.**

they are sown in double rows six or eight inches apart, and the rows three feet apart, the tall varieties staked up by brush. For an early crop, sow as soon as the ground can be worked, and make repeated sowings every two weeks for succession. A quart is sufficient for a row of about eighty feet.

**PEPPER**

German, Pfeffer; French, Piment; Spanish, Pimento.



PEPPERS.

	Per oz.
<b>Ruby King.</b> Very large; bright red .....	\$0 75
<b>Sweet Spanish.</b> One of the largest. Best for salads, mild.....	75
<b>Large Bell or Bull Nose.</b> An early variety of mild flavor .....	75
<b>Sweet Mountain or Mammoth.</b> Of large size, best for mangoes .....	75
<b>Chinese Giant.</b> Double the size of Ruby King. This is the largest and finest mild Red Pepper. Flesh is thick and unusually mild. Productive bearer .....	75
<b>Long Red Cayenne.</b> Used for Pepper, sauces very pungent .....	75
<b>Golden Queen Mammoth.</b> Large, golden, yellow, early .....	75
<b>Chili.</b> Very piquant and prolific, fruit conical, bright scarlet .....	75
<b>Golden Dawn Mango.</b> This is a remarkably prolific Pepper of the Bell class of a magnificent golden color .....	75
<b>Hot Mango Pepper.</b> Very Hot, best for Pepper Sauce and Pickling .....	75

The Pepper or Capsicum is valuable for its seasoning qualities, as well as for pickling. Sow early in heat and transplant when the weather is warm and settled, or sow in warm situation in the garden about the middle of May. Plants should be set a foot and a half apart.

**POTATOES**

German, Kartoffel; French, Pomme de Terre; Spanish, Petata.

<b>Houlton Stirling</b> (see novelties).	} Prices on application
<b>Houlton Hebron.</b> White skin, the most popular variety in cultivation .....	
<b>Houlton Rose.</b> The standard variety .....	
<b>Houlton Early Queen.</b> Early and productive .....	
<b>Houlton Green Mountain.</b> Late variety, good keeper, white and mealy.....	
<b>Houlton Irish Cobbler.</b> Very early, round white .....	
<b>Houlton Boree.</b> Extra early production, white flesh .....	
<b>Houlton Bagley</b> .....	
<b>Houlton Delaware</b> .....	



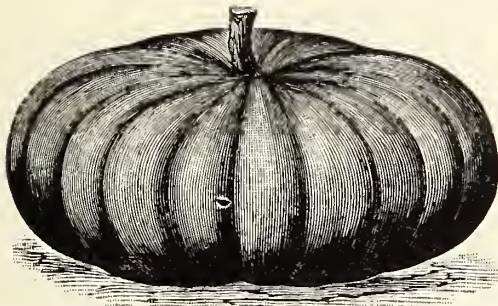
POTATOES—Continued



HOULTON MAINE POTATOES

PUMPKIN

German, Kuerbis; French, Gource;  
Spanish, Calabaz a Tetanera.



CHEESE PUMPKIN.

	Per oz.	¼ lb.	lb.
Morse's Marrow. ....	\$0 25	\$0 60	\$2 00
Calhoun. Flesh wonderfully thick, fine grained.....	10	25	80
Large Cheese. The best variety, hard and productive	10	30	1 00
Connecticut Field. Very productive, largely grown for feeding stock 20c. per quart, \$3.00 per bushel....	10	25	75
Mammoth King. Grows to an immense size .....	10	30	1 00
Early Sugar. Fruits medium size, of excellent keeping quality. Flesh very sweet	10	20	60

Cushaw. Salmon color, crooked neck..... 10 25 80

Tennessee Sweet Potato. Bell shaped, thick, white flesh, nothing finer for pies 10 25 80

These are unusually in fields of Corn or Potatoes, but may be profitably raised in fields by themselves. Sow in May; in hills eight feet apart.

RHUBARB

German, Rabarber; French, Rhuperbe; Spanish, Ruibarbo.

	Per oz.	¼ lb.
Linnaeus. Early, large and tender .....	\$0 25	\$0 90
Victoria. Very large, later than Linnaeus .....	25	90
Roots (Victoria) .....	15c	ea. lb.

Sow early in spring, in drills a foot apart, thinning out to about the same distance apart in the rows when a few inches high. In fall or following Spring, transplant into deep, rich soil, about three feet apart each way.

## RADISH

German, Retting; French, Radis; Spanish, Robanitos.

	Per oz.	¼ lb.	lb.
Vick's Scarlet Globe. New, very fine.....	\$0 20	\$0 60	\$2 00
Early Scarlet Turnip. The standard variety, of quick growth, mild and crisp when young.....	20	50	1 75
Early Scarlet Turnip. Forcing variety, maturing in three weeks.....	20	60	2 00
Early Scarlet Turnip. White tipped, a beautiful new early kind, round in shape; color scarlet, tipped with white, a favorite for market gardeners.....	20	60	2 00
Early Scarlet Turnip. White tip, forcing.....	20	60	2 00
Olive Shape Deep Scarlet.....	20	50	1 75
French Breakfast. Of quick growth, very mild and tender, of oval form; color scarlet, tipped with white.....	20	60	2 00
Long Scarlet. One of the leading market kinds.....	15	50	1 50
Rose China Winter. Flesh firm and piquant; excellent for winter use....	20	50	1 75
White Summer Turnip. A summer variety of mild favor.....	20	60	2 00
Yellow Summer Turnip. Grows to a large size.....	25	75	2 50



<b>Black Spanish Winter.</b> Long, one of the hardest and best for winter use.	15	50	1 50
<b>Half Long Black Spanish.</b> Very fine strain.....	20	50	1 75
<b>Black Spanish Winter.</b> Round .....	25	75	2 50
<b>Giant Stuttgart.</b> Summer favorite, German sort ..	15	50	1 50
<b>California Mammoth White.</b> A giant white fleshed Fall Radish .....	20	50	1 75
<b>White Spanish.</b> Long, rather milder than the black.	20	50	1 75
<b>White Strasburg.</b> Very large, German sort.....	15	50	1 50
<b>White Vienna or Lady Finger.</b> Crisp and tender in summer .....	15	50	1 50
<b>Icicle.</b> Long, pure white, suitable for forcing....	20	60	2 00

There are two classes of Radishes, those for Spring and Summer use, which are small and arrive quickly at maturity, and with proper care can be kept all winter. The summer radishes should be used while young and tender; if allowed to grow too long they become tough and stringy;

they thrive best in high rich soil. For a successful supply, sow from the middle of March until September, at intervals of two or three weeks. For an early supply they may be sown on a mild hotbed in February. The winter varieties may be sown from the latter part of July to the middle of September.

## SPINACH

German, Spinat; French, Spinard; Spanish, Espinaca.

Special price on lots of 10 to 25 lbs.

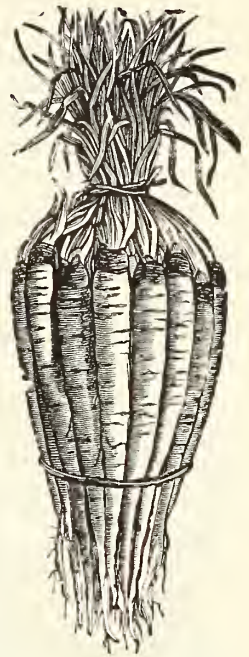
<b>Long Standing, Round Leaved.</b> .....	\$0 20	\$0 65	\$2 25
<b>Flander's Round Leaved.</b> The variety commonly grown, good for spring or fall sowing.....	20	65	2 25
<b>Large Viroflay.</b> A new variety, with leaves much larger and thicker than the old variety.....	20	65	2 25



**SPINACH—Continued.**

	Per oz.	¼ lb.	lb.
Victoria, New. Dark green color, sow early.....	\$0 20	\$0 65	\$2 25
Bloomsdale Savoy Leaved. A large, curled, thick leaved variety, the market gardner's favorite....	20	65	2 25
Prickly. Prickly seeded, with triangular arrow-shaped leaves .....	25	75	2 50
New Zealand. Produces leaves in great abundance throughout the summer, should be raised in heat and transplanted three feet apart each way into light rich soil .....	25	75	2 50

Sow in fall for spring use, in drills a foot apart, thinning out the plants to three inches apart in the rows. Spinach is very hardy and does not require protection except in very exposed places, where a covering of straw or leaves is useful. For summer use sow as early as possible in spring, and at frequent intervals, during the season for succession.



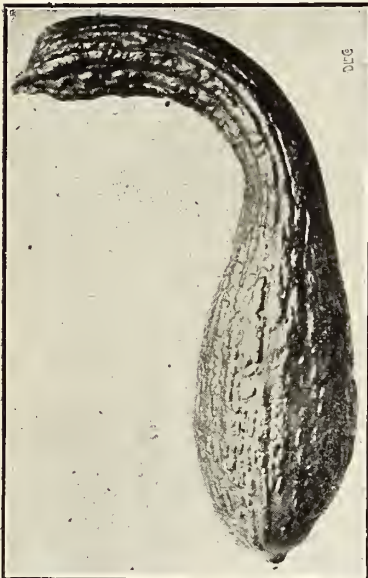
SALSIFY.

**SALSIFY, OR OYSTER PLANT**

German, Boeksbart; French, Salsifis; Spanish, Salsifi.

	Per oz.	¼ lb.	lb.
Long White French .....	\$0 25	\$0 75	\$2 50
Mammoth Sandwich Island .....	25	75	2 50

This very nutritious vegetable requires the same cultivation as Carrots or Parsnips. It is quite hardy and the roots may remain in the ground all winter; a quantity can be taken up and packed in earth or sand, and stored away for use when needed. It makes a fine soup, like the oyster. It is also half-boiled, grated fine, made into small balls, dipped into butter, and fried.



**SQUASH**

German, Garten Kuerbise, French, Courage; Spanish, Buester

Per oz. ¼ lb. lb.

Mammoth Summer Crookneck. Twice size of Summer Crookneck.....	\$0 15	\$0 50	\$1 50
Fordhook Squash. Bright, yellow good keeper .....	15	50	1 50
Early Golden Bush Scalloped. True bush growth producing fruit ready for use early in the summer.....	15	50	1 50
Early White Bush Scalloped. A white variety of the above.....	15	45	1 25
Summer Crookneck. Early, productive and of good quality.....	15	50	1 50
Boston Marrow. A very valuable medium early variety, an excellent keeper and of superior quality.....	15	45	1 25
Hubbard. The best Winter Squash, fine grained, dry, keeps well and is of excellent flavor.....	15	50	1 50

Mammoth Chili. Grows to a large size, often weighing two hundred pounds Excellent for stock .....	15	45	1 25
Vegetable Marrow. A favorite English sort, skin greenish yellow, flesh white, soft and rich flavor .....	30		
Italian (Cocozella di Napoli) grows 20 inches long with diameter of 3 or 4 in. Green or Marbled Yellow. See Varieties.....	20	60	2 00

**SQUASH—Continued.**

Squashes are divided into two classes, Summer and Winter. The Summer varieties come into use about midsummer, and are eaten when the rind and flesh are young and tender. The Winter varieties are left on the vines until they are thoroughly ripe, gathered in the Fall, and stored away for Winter use. If well ripened and kept in a good cellar, they can be preserved until May. Prepare hill for the seeds by incorporating two or three shovelfuls of well rotted manure with the soil, for each hill. For the bush varieties, from three to four feet each way, and for the running sorts from six to eight feet. Eight or ten seeds should be sown to each hill, thinning out after they have attained their rough leaves, leaving three or four of the strongest plants.

**SWISS CHARD OR SILVER BEET.**



SWISS CHARD.

**Silver Leaf.** This is a Beet producing leaves only of a quality superior to those of the ordinary Beet, and excellent greens. Cultivate about the same as spinach, by sowing in early spring in drills about a foot apart. Oz., 25c; ¼ lb., 75c; lb., \$2.50.

**Giant Lucullus.** Large, crinkled leaves; tender and of fine flavor; dark green; pure white ribs. Oz., 30c; ¼ lb., 85c; lb., \$3.00.

**TOBACCO**

**Connecticut Seed Leaf.** This variety is best adapted to the climate of the Northern and Middle States. Per oz. 30c, ¼-lb. 85c, lb. \$3.00.

**Havana.** Imported Seed, Vuelto de Abbajo. Per oz. 45c, ¼ lb. \$1.25, lb. \$4.50.

**TOMATO**

German, Liebesapfel; French, Tomote; Spanish, Tomata.

	Per oz.	¼ lb.	lb.
<b>John Baer.</b> Earliest tomato grown, (see Novelties).....Pkg., 25c;	\$1 00		
<b>June Pink.</b> A very early market sort, smooth, medium size, bright pink	40	\$1 00	\$3 75
<b>Earliana, Extra Early.</b> Bright red, smooth. It is claimed to be one of the			
earliest introduced, very productive .....	35	1 00	3 50
<b>Favorite.</b> Large, smooth, productive, very solid and of fine flavor. A good			
shipper .....	35	1 00	3 50
<b>Bonny Best.</b> Early tomato, (See Novelties).....Pkg., 10c;	50		
<b>Trucker's Favorite.</b> Large, smooth and very regular in form, purplish red,			
solid .....	40	1 00	3 75
<b>Ponderosa.</b> Very large and solid .....	50	1 50	5 00
<b>New Stone.</b> Large and smooth .....	40	1 00	3 75
<b>Livingston's Perfection.</b> Very early, round, smooth, tough skin, brilliant;			
solid and rich flavor; ripening thoroughly. A favorite market variety..	35	1 00	3 50
<b>Livingston's Beauty.</b> Large dark crimson, thick skin .....	35	1 00	3 50
<b>Dwarf Champion.</b> Resembles Acme, early .....	35	1 00	3 50
<b>Acme.</b> A beautiful variety. Fruit of medium size, form perfect and very			
smooth. Ripens all over and through at the same time. This variety			
seems to possess all the good qualities that can be desired in a tomato..	35	1 00	3 50
<b>Matchless.</b> Extra large, smooth and handsome; bright red; very solid.			
Plant of vigorous growth and prolific .....	40	1 00	3 75



**TOMATO—Continued.**

	Per oz.	¼ lb.	lb.
<b>Golden Queen.</b> A first class large, smooth, pure yellow Tomato. Fine bearer and of excellent flavor .....	\$0 35	\$1 00	\$3 50
<b>Yellow Plum.</b> Used principally for pickling .....	40	1 25	4 00
<b>Red Pear Shape.</b> Used principally for preserving and pickling .....	40	1 25	4 00
<b>Red Currant for Preserves</b> .....	40	1 25	4 00
<b>Yellow Cherry.</b> Similar to above, except in color .....	40	1 25	4 00



**EARLIANA TOMATO**

The seed should be sown in a hotbed about the first week in March, in drills five inches apart and half an inch deep. When the plants are about two inches high, they should be set out four or five inches apart in another hotbed, or removed into small pots, allowing a single plant to a pot. About the middle of May the plants may be set in the open ground, at a distance of three to four feet apart in hills in which a good shovelful of rotted manure has been mixed.

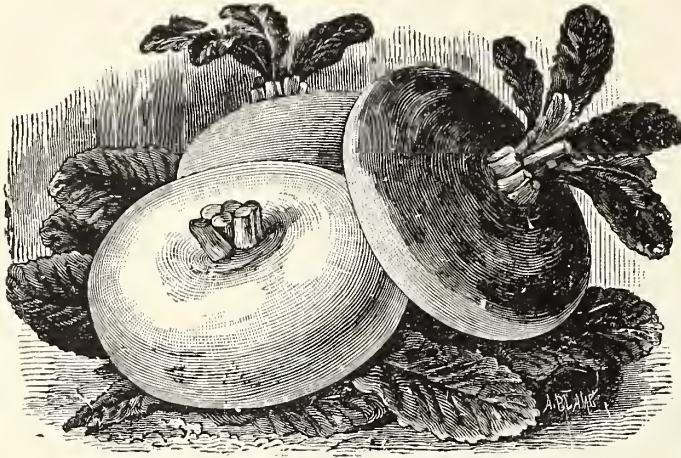
**TURNIP**

German, Rube; French, Navet; Spanish, Nabo.

	Per oz.	¼ lb.	lb.
<b>Milan.</b> (Purple top), the earliest of all .....	\$0 25	\$0 75	\$2 50
<b>Early White Flat Dutch.</b> An early garden variety of medium variety size..	25	75	2 50
<b>Red Top Strap Leaf.</b> This and the preceding are the best two kinds for Spring sowing and for garden culture.....	25	75	2 50
<b>Red Top White Globe.</b> Very desirable, extensively grown for market.....	25	75	2 50
<b>White Egg.</b> A new variety, beautifully shaped; excellent table turnip....	20	60	2 00
<b>Yellow Globe.</b> One of the best for general crop, either for table use or stock	20	60	2 00
<b>Yellow Stone.</b> A good globe-shaped turnip, similar to the above.....	20	60	2 00
<b>Golden Ball.</b> A table Turnip of quick growth, and unsurpassed quality....	20	60	2 00
<b>Long White or Cow Horn.</b> One of the best field Turnips, flesh fine grained	20	60	2 00
<b>Yellow Aberdeen.</b> Hardy and productive, large grown for farm purposes....	20	60	2 00
<b>Large White Norfolk.</b> Globe-shaped variety, one of the best for stock.....	20	60	2 00
<b>Pomeranium White Globe.</b> Very fine, white Globe variety, round and thick	20	60	2 00
<b>German Teltow.</b> Small early fine grade, sugary.....	20	60	2 00
<b>Seven Top.</b> Tops used for Greens.....	20	60	2 00

## TURNIPS—Continued

## RUTA BAGAS



PURPLE TOP STRAP TURNIP

**American Improved Purple Top.**

The leading variety, of fine quality, valuable both for the table and for feeding stock. Per oz., 20c; ¼ lb., 60c; lb., \$2.

**Carter's Imperial Royal Swede.**

An English variety, highly recommended as producing enormous crops. Per oz., 20c; ¼ lb., 60c; lb., \$2.00.

**White or Sweet German.**

A large solid variety. Per oz., 20c; ¼ lb., 65c; lb., \$2.25.

**Laing's Improved, globe-shaped,**

with small top and tap root. Per oz., 20c; ¼ lb., 60c; lb., \$2.

For spring crop commence sowing early varieties as soon as the ground can be worked, in drills fourteen inches apart; thin out the plants to five or six inches apart. Keep clear from weeds, and when the bottoms begin to enlarge, brush away the earth from about the roots the depth of

an inch or more and give them a light dressing, of wood ashes. This is the surest mode of obtaining fair and smooth Spring Turnips in old gardens where they are almost certain to grow wormy if the earth is allowed to remain in contact with the roots. It is important to get them started very early so that they may have time to grow a sufficient size before very hot weather, when they will soon become tough and strong. For the Fall and main crops, sow from the middle of July to the last of August in drills as directed for the Spring sowing. In the field, Turnips are more generally sown broadcast though much larger crops are obtained by drill culture.

## SWEET POT AND MEDICAL HERB SEEDS

Herbs are valuable for culinary and medicinal purposes, but they do not always receive the attention which they deserve. They are easily grown, and when preserved by drying are ready for use at any season of the year. Sow in Spring as soon as the weather is warm, and thin out as the plants grow up.

	Per oz.
<b>Anise</b> ( <i>Pimpinella anisum</i> ), an annual, cultivated for its seeds and its leaves, which are used for garnishing and for seasoning .....	\$0 30
<b>Balm</b> ( <i>Melissa officinalis</i> ), a hardy perennial, used for making balm tea and balm wine.....	40
<b>Basil, Sweet</b> ( <i>Ocimum basilicum</i> ). This is a tender annual, cultivated for its leaves, which are much used for flavoring soups and sauces.....	35
<b>Bene</b> ( <i>Sesamum orientale</i> ) .....	25
<b>Borage</b> ( <i>Borage officinalis</i> ), hardy annual, some times used as a pot herb, and also for garnishing, but chiefly for claret cup and other cooling drinks. Bees are very partial to the flowers .....	25
<b>Caraway</b> ( <i>Carum cauri</i> ), hardy biennial, cultivated for its seeds, which are largely used in various kinds of confectionery and for giving flavor to liquors.....	20
<b>Catnip</b> ( <i>Nepeta cataria</i> ), perennial .....	50
<b>Coriander</b> ( <i>Coriandrum salivum</i> ), an annual, raised for its seeds, which are used by confectioners, and sometimes to disguise the taste of medicine.....	10
<b>Dill</b> ( <i>Anethum graveolens</i> ), annual, the leaves are used in soups and sauces, and the seeds are sometimes added to pickle cucumbers to heighten their flavor. Medicinally they are good for flatulence and colic in infants 75c lb .....	30
<b>Fenel</b> ( <i>Anethum foeniculum</i> ), hardy perennial, leaves used for garnishing, and in the preparation of various fish sauces .....	20
<b>Horehound</b> ( <i>Marrubium vulgare</i> ), hardy perennial, principally used for medicinal purposes..	50
<b>Hyssop</b> ( <i>Hyssopus officinalis</i> ), hardy perennial, the leafy tops and flowers are used for making hyssop tea .....	40



**SWEET POT AND MEDICINAL HERB SEEDS—Continued**

	Per oz.
Lavender ( <i>Lavandula spica</i> ), a popular aromatic herb .....	\$0 75
Majorum, Sweet ( <i>Origanum Majorana</i> ), for seasoning .....	60
Opium Poppy ( <i>Papaver sonniferum</i> ) .....	40
Rosemary ( <i>Rosmarinus officinalis</i> ), an aromatic herb .....	75
Rue ( <i>Ruta graveolens</i> ), used for medicinal purposes, also frequently given to fowls for the roup .....	65
Sage ( <i>Salvia officinalis</i> ), much used for flavoring various articles of cookery. It is also possessed of medicinal virtues. Tea made from its leaves is a soporific; causing profuse perspiration .....	50
Summer Savory ( <i>Satureia hortensis</i> ), annual. It has medicinal and culinary uses. Its aromatic leaves are much esteemed in salads and soups .....	Crop Failed
Sorrel, Broad Leaved, used in salads .....	30
Thyme, Broad Leaved English, hardy perennial. Thyme is used in various ways for soups, sauce and dressings, and a tea is made of the leaves which is a great remedy for nervous headache .....	50
Tarragon, Roots, each 35 cents .....	35
Tansy ( <i>Tanacetum vulgare</i> ) .....	50
Wormwood ( <i>Antemisia abietnium</i> ), used for medicinal purposes; it is also beneficial to poultry and should be planted in poultry grounds .....	50

**MUZZY BROTHERS' CELEBRATED LAWN GRASS**

	1 qt.	2 qt.	4 qt.	8 qt.	1 bu.
Muzzy Bros.' Fine Mixed Lawn Grass. Composed of a mixture of the finest grasses; sow three bushels per acre.....	\$0 20	\$0 40	\$0 75	\$1 25	\$4 50
Muzzy Bros.' Special Lawn Mixture. This extra choice mixture contains a large proportion of the finer and more expensive species of grasses, in extra heavy samples, producing a turf of the closest and finest texture possible .....	25	50	85	1 50	5 50
Muzzy Bros.' Shady Lawn Mixture. A mixture of grasses that thrive in shady situations, under trees, or close to walls where there is little sun .....	35	60	1 00	1 75	6 00

**QUANTITIES TO BE USED.**

- |  |   |
|--|---|
| Plot 20 feet by 20 feet, sow 1 quart.  | Plot 25 feet by 50 feet, sow 4 quarts.  |
| Plot 25 feet by 25 feet, sow 2 quarts. | Plot 25 feet by 100 feet, sow 8 quarts. |
| Plot one acre, sow 3 bushels.          |   |

For large lawns, where turf has become bare through constant use, it is only necessary to sow fresh seed at the rate of one to two bushels to an acre. On such lawns it is well to use our Lawn Dressing, which can be raked in.

**MUZZY BROS.' LAWN GRASS, TOP DRESSING, ODORLESS**

**QUANTITY REQUIRED OF OUR CELEBRATED LAWN DRESSING**

Plot 20 feet by 25 feet, use 5 pounds .....	Price \$0.40
Plot 20 feet by 50 feet, use 10 pounds .....	Price \$0.70
Plot 25 feet by 100 feet, use 25 pounds .....	Price \$1.35
Plot 50 feet by 100 feet, use 50 pounds .....	Price \$2.50
Plot One-quarter acre, use 100 pounds .....	Price \$4.00



Lawns like this can be produced by sowing Muzzy's Lawn Grass Seed

## About Lawns and Lawn Grass Seed

### FORMATION OF LAWNS FROM SEED

There is nothing more attractive than a well kept lawn.

Many things are to be considered in connection with the making and proper care of lawns. A good lawn cannot be made in one season, success coming only through intelligent care for a period of years.

The ground should be thoroughly drained and well prepared. The soil ought not to be too rich, as a rapid growth is not wanted in the grasses of a lawn; but the surface should be as much alike in quality as possible and thoroughly pulverized. After sowing, the ground should be rolled and cross-rolled in order to press the seed firmly into the soil, and ten days or so thereafter a light application of Muzzy's Lawn Fertilizer, mixed with an equal quantity of good loam or sand, will serve to stimulate the growth of the young grasses. The proper time to sow grass seed depends, of course, upon the latitude. In the central and eastern states from March 15 to the middle of May is the best time; but in favorable seasons the sowing may be done up to July 1. Seed may also be sown in the Fall, from the latter part of August to the end of September. The sowing should be done when the ground is moist, or before an expected rain, and a subsequent rolling is always advisable. As to weeds in newly-made lawns, it may not be generally known that many weed seeds actually lie dormant in the ground for six or seven years and will germinate and make their appearance when the soil is turned up. The annual wild grasses, such as crab grass or Summer grass, must be pulled up by the roots before they ripen their seed in the Fall.

**Rolling.**—As soon as the frost is out of the ground in the Spring, the land should be gone over with a heavy roller. Winter frosts loosen the soil, and rollings is necessary to compress it again. Roll frequently.

**Mowing.**—All turf-forming grasses are improved, both in vigor of root-growth and in fineness of texture, by frequent mowings. It is impossible to say just how often the grass should be mown, as that depends upon the rate at which it grows. Too close cutting should be guarded against, however, especially during the hot Summer months, when the roots require some top-growth to protect them from the burning sun. A good top growth is also necessary to protect the roots from severe Winter frosts.

It is a good plan to sow on good land, in any out-of-the-way place, strips of sod to be used for patching poor parts of the lawn, or for grass borders, etc. The best mixture of seed for this purpose is *Cynosurus cristatus* (Crested Dog's-tail). Kentucky Blue Grass and Fancy Red Top.



## MEADOW AND PASTURE MIXTURES

The formation of permanent and productive meadows and pastures is of great value to farmers, and has been given thorough study by numerous experts, resulting in formulas that will give good results under the varying conditions of our climate.

It is a well known fact that a heavier and more prolonged growth is produced by a mixture of many sorts of grasses than by only one or two. Some sorts do best on high, dry soil, while others prefer plenty of moisture. Some mature so early and others so late that there is no time in the season when one sort or another is not at its best. Grass seed may be sown either early in spring or fall, from September to the middle of October in this latitude. Below we give mixtures that we are confident will give good results.

### MEADOW MIXTURE FOR ONE ACRE

**No. 1. On Good Land, Neither Too Dry nor Too Wet**

Price \$4.50 per bushel of 20 lbs. Sow 2 bushels to the acre

**No. 2. For High and Dry Land**

Price \$6.00 per bushel of 20 lbs. Sow 2 bushels to the acre.

**No. 3. On Wet Land**

Price \$4.50 per bushel of 20 lbs. Sow 2 bushels to the acre.

### PASTURE MIXTURE FOR ONE ACRE

**No. 4. On Good Land. Neither Too Wet nor Too Dry.**

Price \$5.00 per bushel of 20 lbs. Sow 2 bushels to the acre.

**No. 5. On Dry Land**

Price \$4.50 per bushel of 20 lbs. Sow 2 bushels to the acre.

**No. 6. On Wet Land**

Price \$5.00 per bushel of 20 lbs. Sow 2 bushels to the acre.

### CLOVERS

(Subject to Variation in Price).

Red Clover. Medium ( <i>Trifolium pratense</i> ). Price variable, 60 lbs. to bushel	} Market Price.
Red Clover, Large or Pea Vine. Price variable	
White Clover. ( <i>Trifolium repens</i> )	
Alfalfa or Lucerne. Requires a deep rich soil, and in such will produce several crops every season. Fifteen pounds to the acre	
Alsike or Swedish ( <i>Trifolium hybridum</i> ). Ten pounds to the acre	
Crimson or Italian ( <i>Trifolium incarnatum</i> ), sown in Autumn, it furnishes an early fodder and is excellent for soiling. Twenty pounds to the acre. Price variable	
Bokhara Clover ( <i>Melilotus alba</i> ), affords excellent feed for bees; it is valuable soiling plant; lasts two years. Ten pounds to the acre	} Market Price.
Yellow Trefoil ( <i>Medicago lupina</i> ) Hop clover. Fifteen pounds to the acre	

## GRASS SEEDS

These Prices are Subject to Variation.

	Per 10 lbs.	Per lb.
Blue Grass Kentucky ( <i>Poa pratensis</i> ), extra clean; does well on light dry soils; recommended for permanent pasture; it requires two or three years to form a good sod, and does not arrive at its perfection as a pasture grass until it is much older; valuable in mixtures for lawn. 14 lb bushel ...	\$4.00	\$0.45
Creeping Bent Grass, Florin ( <i>Agrotis stolonifera</i> ), used for lawns, well adapted to most places.....	Prices on Application if practicable.	
Crested Dogtail ( <i>Cynosurus cristatus</i> ), good for permanent pasture for sheep, is productive and early, suffers but little from dry weather, and is one of the best grasses for lawns, 25 lbs. to the acre .....	3.50	.40

## GRASS SEED—Continued

	Per 10 lbs.	1 lb.
<b>Hard Fescue</b> ( <i>Festuca duriuscula</i> ), admirable pasture grass of fine quality, thrives well in dry situations. 30 lbs. to the acre .....	Prices on application if practicable.	
<b>Meadow Fescue</b> ( <i>Festuca pratensis</i> ), this is excellent for hay when sown with other grasses, such as Orchard Grass and Timothy, and is also considered one of the best grasses for permanent pasture on a great variety of soils. 40 lbs. to the acre .....	\$4 00	\$0 45
<b>Sheep's Fescue</b> ( <i>Festuca ovina</i> ), does well in high, dry and open pastures, is of short, dense growth, and valuable in lawn mixtures. 30 lbs to the acre.	Prices on application if practicable.	
<b>Meadow Foxtail</b> ( <i>Alopecurus pratensis</i> ), regarded as one of the most desirable grasses for permanent pasture, being early and rapid growth. 25 lbs. to the acre .....	6 50	70
<b>Meadow Soft Grass</b> ( <i>Holcus lanatus</i> ), will grow with little or no care in any soil; it is chiefly cultivated where the better grass will not grow. 3 bu. to the acre; 7 lbs. to bushel .....	Prices on application if practicable.	
<b>Orchard Grass</b> ( <i>Dactylis glomerata</i> ), is one of the most desirable of all pasture grasses, coming early in the Spring and remaining later in the Autumn than any other. 3 bu. to the acre. 14 lb. bu. ....	4 50	50
<b>Red Top Grass</b> ( <i>Agrostis vulgaris</i> ), good permanent grass, excellent for lawns, pastures, etc., and sowing with Timothy and Red Clover for cutting for hay. Sack 50 lbs., \$4.00; per bushel of 14 lbs., \$1.50 .....		
<b>Fancy Red Top Grass</b> , cleaned like Timothy; free from chaff .....	2 50	30
<b>Rhode Island Bent Grass</b> ( <i>Agrostis canina</i> ), best of all grasses for lawn where only one variety is used .....	5 50	60
<b>Rye Grass English</b> ( <i>Lolium perenne</i> ). Probably one of the most important and valuable of the cultivated grasses; is naturally adapted to almost any soil; matures early, and is very productive, but contains less nutrition than Orchard Grass .....	1 50	20
<b>Rye Grass Italian</b> ( <i>Lolium Italicum</i> ). This ripens much sooner than the English Rye Grass, and is greatly preferred by cattle, and greedily eaten by them, either in a green or dry state .....	1 75	25
<b>Sweet Vernal Grass</b> ( <i>Anthoxanthum odoratum</i> ), is not valuable when sown alone, but when sown with other grasses, it becomes so because of its early growth. It also yields a delightful odor when cured for hay. 10 lbs. to the acre, mixed with other grass annuals .....	8 90	90
<b>Tall Meadow Oat Grass</b> ( <i>Avena Elatior</i> ). As a crop to cut for hay, this is very desirable because of its early and luxuriant growth. It shoots up very quickly after being cut, and produces a thick crop of aftermath, which also makes it valuable as a soiling crop. It has been lately in demand and is much valued in the South.....	4 00	50
<b>Timothy, Herd's Grass</b> ( <i>Phleum pratense</i> ). As a crop to cut for hay, this is probably unsurpassed. It thrives best on moist, peaty or loamy soils, and is not suited to light or sandy soils, although on such it can with care, be made to produce fair crops. Price according to market, 45 lbs. to bu....	Market Price	
<b>Rough Stalked Meadow Grass</b> ( <i>Poa trivallis</i> ), produces a constant supply of highly nutritious herbage, particularly on dry soils; one of the most valuable for laying down pastures and meadows on soils either moist or moderately dry. 14 lbs. to the bushel; 20 lbs. to the acre .....	7 00	80
<b>Wood Meadow Grass</b> ( <i>Poa nemoralis</i> ). This grass grows well both on shady and exposed situations. 30 lbs. to the acre .....	Prices on application if practicable.	
<b>Yellow Oat Grass</b> ( <i>Avena flavescens</i> ), good for dry pastures and meadows. Is much relished by sheep .....	\$0 90	
<b>Golden or German Millet</b> . This variety is a heavier cropper than the Hungarian Grass, and needs a longer season and stiffer soil. Grows from three to five feet high, stands up well, is easily cured; gives general satisfaction. Three pecks to the acre. Per bushel of 48 lbs .....	Market Price	
<b>Hungarian Grass</b> . A valuable forage plant, succeeds well on dry, light soil; withstands the drought remarkably, remaining green when all other vegetation is parched up, and if its development is arrested by dry weather, the least rain will restore it to vigor. Sow broadcast. Three to the acre. Per bushel of 48 lbs .....	Market Price	



**GRAINS**

All grains are selected expressly for seed, and are strictly pure and true to name.

Sold at Market Prices.

**SPRING WHEAT, 60 lb. Bushel**

- Saschatchewan Fife** .....
- China Spring.** Chaff bearded variety, and a general favorite.
- Mediterranean Spring** This variety has been grown with great success for a number of years in some sections of New England, and is very highly recommended, is bearded, yields well and the kernels are large: than those of other Spring varieties.
- White Russian.** This variety, recently introduced, has proved very valuable in many localities in the Northwestern States. Straw of good length, strong, does not lodge. It is not inclined to rust. Heads of large size and well filled with plump kernels weighing 60 to 63 lbs. to the bushel. Has produced 40 to 50 bushels to the acre.

**WINTER WHEAT, 60 lb. Bushel.**

- Jones' Winter Fife.** Surpassing all other varieties in hardiness and productiveness.
- Golden Cross.** Has the yield of the Clawson, with flower of the Mediterranean.
- Clawson.** Also known as the Seneca. This is a beardless white wheat with red chaff. It proves early and hardy, has a stiff straw, yields larger crops than any other.
- Fultz.** A beardless amber variety, grown largely in some sections of Pennsylvania and with very satisfactory results. It is very hardy and productive, and the straw is of medium length and very strong; makes excellent flour.
- Red Mediterranean.** (American). This is the imported variety fully acclimated and is a standard wheat. The heads are bearded and well filled. It succeeds well in nearly all localities and ripens early.

**OATS, 32 lb. bushel.**

- SWEDISH or WASHINGTON.** Very popular and standing well until fully ripe.
- Probststeiner.** Very productive and heavy. The straw is very strong:

**EYE 56 lb. Bushel. Spring and Winter Eye**

**SPRING BARLEY, 48 lb. Bushel**

Vermont Champion (two rowed).

**BUCKWHEAT, 48 lb. Bushel.**

**Silver Hull.** This variety is a great improvement on the common Buckwheat. Sown at the same time it will continue to bloom longer, matures a few days sooner, and yields nearly or quite double under the same conditions.

**JAPANESE BUCKWHEAT**

Yields twice or three times as much as Silver Hull and ripens a week earlier.

**MISCELLANEOUS SEEDS, ETC.**

Cow Peas. For Fodder	Per qt., 20c; bu., \$5.00
Kaffir Corn or Sorghum	Per lb., 15c; 100 lb., \$10.00
Canada Field Peas	Market Price
Winter Vetches	Market Price
Spring Vetches	Market Price
Flax. Very Clean.	Market Price
Soja Beans	Per qt., 35c; bu., \$6.00
Essex Rape	Lb., 25c; 100 lbs., \$20.00



## MISCELLANEOUS SEEDS, ETC.—Continued.

Canary, Best Sicily ( <i>Phalaris canariensis</i> ).....	Per lb.,	\$0.15	
Hemp ( <i>Cannabis sativa</i> ) .....	Per lb.,	.12	
Maw ( <i>Papaver Rhoeas</i> ) .....	Per lb.,	.25	
Lettuce Seed .....	Per lb.,	.40	
Millet ( <i>Panicum miliacedum</i> ) .....	Per lb.,	.12	
Rape ( <i>Brassica napus</i> ) .....	Per lb.,	.20	
Mixed Bird Seed .....	Per lb.,	.15	
Sunflower, Large Russia .....	Per bushel, 28 lbs.,	\$3.25; per qt. .12	
Gravel for Cages .....	Per box, 8c.	Cuttle Fish Bone .....	Each, 2c and 3c

Asparagus Roots, Conover's Colossal and Palmetto (2 years old).....	Per 100, \$1.00; per 1,000, \$8.	
Rhubarb Roots.....	15c each. Horse Radish Roots.....	Per 100, 75c
Strawberry Plants, Currant Bushes, Blackberry Bushes, Raspberry Bushes, Grape Vines and Gooseberry Bushes .....	Prices on Application	

## QUANTITY OF SEEDS FOR A GIVEN NUMBER OF PLANTS, ETC.

Asparagus .....	1 oz. to 60 ft. drill	Pole Beans .....	1 qt. to 150 hills
Beet .....	1 oz. to 50 ft. drill	Corn .....	1 qt. to 200 hills
Carrot .....	1 oz. to 150 ft. drill	Cucumber .....	1 oz. to 50 hills
Endive .....	1 oz. to 150 ft. drill	Water Melon .....	1 oz. to 30 hills
Okra .....	1 oz. to 40 ft. drill	Musk Melon .....	1 oz. to 60 hills
Onion .....	1 oz. to 100 ft. drill	Pumpkin .....	1 oz. to 40 hills
Onion Sets, small .....	1 qt. to 20 ft. drill	Early Squash .....	1 oz. to 50 hills
Parsley .....	1 oz. to 150 ft. drill	Marrow Squash .....	1 oz. to 16 hills
Parsnip .....	1 oz. to 200 ft. drill	Cabbage .....	1 oz. to 3,000 plants
Radish .....	1 oz. to 100 ft. drill	Cauliflower .....	1 oz. to 3,000 plants
Salsify .....	1 oz. to 70 ft. drill	Celery .....	1 oz. to 4,000 plants
Spinach .....	1 oz. to 100 ft. drill	Egg Plant .....	1 oz. to 2,000 plants
Turnip .....	1 oz. to 150 ft. drill	Lettuce .....	1 oz. to 4,000 plants
Peas .....	1 qt. to 100 ft. drill	Pepper .....	1 oz. to 2,000 plants
Dwarf Peas .....	1 qt. to 100 ft. drill	Tomato .....	1 oz. to 2,000 plants

## QUANTITY OF SEEDS AND PLANTS REQUISITE TO CROP AN ACRE OF LAND

Artichokes, Jerusalem .....	3 bu.	Kale, German Greens .....	3 lbs.
Asparagus, in 12-inch drills .....	25 lbs.	Lettuce, in rows; 2½ feet .....	3 lbs.
plants, 4x1¼ feet .....	8,000	Leek, in rows; 2½ feet .....	3 lbs.
Barley, broadcast .....	2½ bu.	Melon, Water in hills; 8x8 feet .....	3 lbs.
Beans, dwarf, in drills; 2½ feet .....	2½ bu.	Citron, in hills; 4x4 feet .....	2 lbs.
Lima, in drills; 4x4 feet .....	20 qts.	Millet, Pearl, in drills .....	5 lbs.
Pole, in hills, 4x3 feet .....	10 qts.	Golden, broadcast .....	¾ bu.
Beets, in drills, 2½ feet .....	6 to 8 lbs.	Mustard, broadcast .....	12 to 16 qts.
Broom Corn, in hills .....	4 to 6 qts.	Oats, broadcast .....	2 to 3 bu.
Buckwheat broadcast .....	1 bu.	Onion, in drills .....	5 lbs.
Cabbage, sown in frames .....	6 oz.	In beds for sets .....	5 lbs.
Sown in outdoor beds for trans- planting .....	10 oz.	Parsnips, in drills; 2½ feet .....	5 lbs.
Carrot, in drills; 2½ feet .....	3 lbs.	Peas Early, in drills .....	1½ bu.
Celery Seed .....	8 oz.	Marrowfat, in drills .....	1¼ bu.
Plants, 4x½ feet .....	25,000	Broadcast .....	3 bu.
Chufas, in drills, 2½ feet .....	½ bu.	Potato, cut tubers; in drills .....	8 to 10 bu.
Clover, Alsike .....	5 lbs.	Radish, in drills, 2 feet .....	8 lbs.
Red, alone .....	15 lbs.	Broadcast .....	12 lbs.
White, alone .....	12 lbs.	Pepper Plants, 2½x1 foot .....	17,500
White, with other Seeds .....	4 lbs.	Pumpkin, in hills; 8x8 feet .....	2 qts.
Lucerne or Alfalfa .....	15 lbs.	Parsley, in drills; 2 feet .....	4 lbs.
Corn, Sweet .....	3 to 10 qts.	Rye, broadcast .....	1½ to 2 bu.
Field .....	7 to 9 qts.	Salsify, in drills, 2½ feet .....	10 lbs.
For fodder .....	3 bu.	Sorghum, in drills .....	10 to 12 lb.
Corn Salad, in drills; 10 inches .....	25 lbs.	Spinach, in drills .....	10 lbs.
Cucumber, in hills .....	1½ lbs.	Broadcast .....	30 lbs.
Egg Plants; plants 3x2 feet .....	4 oz.	Turnips, in drills; 2 feet .....	1½ lbs.
Endive, in drills, 2½ feet .....	3 lbs.	Broadcast .....	2 to 3 lbs.
Grass, Hungarian .....	¾ bu.	Tomatoes, in frame .....	4 oz.
Lawn .....	3 to 4 bu.	Plants .....	3,800
Orchard .....	2 to 3 bu.	Wheat, broadcast .....	2 bu.
Rye .....	2 bu.	In drills .....	1¼ bu.
Kentucky Blue .....	3 bu.	Clover, ( ) together ( 10 lbs. Clover	
Timothy .....	¼ bu.	Timothy, ( ) for ( ¼ bu. Timothy	
Red Top .....	3 bu.	Red Top, ( ) one acre ( 1 bu. Red Top	



# HIGH GRADE FERTILIZERS

## MUZZY BROS.' "SURE" POTATO PRODUCER

### ALSO FOR GENERAL CROPS

The great satisfaction this Fertilizer has given our customers, being so universal, enables us to recommend it as the Leading Artificial Manure in the Market.

#### GUARANTEED ANALYSIS

Ammonia ..... 4 per cent.      Ton (12 bags) \$53.00; per bag (167 lbs.) \$5.00.  
 Available Phos. Acid ..... 10 per cent.

## MUZZY BROS.' SPECIAL FERTILIZER

We recommend this fertilizer for a general line of looks, and consequently the trucker and market gardener is interested in buying that fertilizer which for the least cash outlay, will bring him the best returns; as it is no longer a question, but an actual fact, that from first class material, like our special Fertilizer, the purchaser will get the best results.

Equal to Ammonia ..... 2 per cent.      Ton (12 bags) \$40.00; per bag (167 lbs.) \$4.00  
 Available Phos. Acid ..... 10 per cent.

## FINE GROUND BONE

### AN EFFICIENT AND PERMANENT DRESSING FOR LAWNS; ODORLESS GUARANTEED ANALYSIS

3 per cent. Ammonia.	50 per cent. Bone Phosphate of Lime.	
5-pound bag for space 20x 25 feet.....		\$0. 35
10-pound bag for space 20x 50 feet.....		60
25-pound bag for space 25x100 feet.....		1 25
50-pound bag for space 50x100 feet.....		2 50
100-pound bag for space ¼ acre.....		3 50

## PURE PULVERIZED SHEEP MANURE

A pure, natural and nutritious manure. Immediate and lasting in effect. Excellent for mixing with the soil of the greenhouse plants. In the vegetable garden it promotes a rapid, steady growth until maturity. It makes a rich Liquid Manure.

**Quantity Required.** For garden and field crops. 1 to 2 tons per acre—half before plowing, the balance before harrowing. For top dressing grass; use 1 ton per acre in fall or early spring.

Per ton of 2,000 lbs.....	\$40.00	In packages of 10 lbs.....	60c
100 lbs.....	2.50	5 lbs.....	35c
50 lbs.....	1.50	1 lb.....	10c
25 lbs.....	1.00		

**HIGH GRADE FERTILIZERS—Continued.****ALPHANO HUMUS**

Decayed vegetable matter for lawn, Rhododendron, bulbs, flowers, etc. Good top dressing for the spring.

Price, per ton.....\$20.00    Per 100 lbs. ....\$1.50

**NITRATE OF SODA**

A fertilizer for all crops. It is very quick in action, and hastens maturity of crops fully two weeks. Being extremely soluble, it should not be applied until the crops are above the ground when 100 pounds per acre should be sown mixed with wood ashes. Does not exhaust the land.

MARKET PRICE.

**ACID PHOSPHATE**

**14 to 16 per cent. Available Phosphoric Acid.**

This is one of our Fertilizers which is used in the largest quantity in most of our mixtures as a base.

Per ton .....\$28.00    Per 100 lbs. ....\$2.00  
Per bag of 200 lbs.....\$3.50

**Hydrated Lime and Pulverized Limestone**

These are high calcium limes and are adapted for use on all soils that require sweetening.

Most lawns and gardens require an application of lime in some form.

The Hydrated Lime is best adapted to all garden crops.

The Ground Limestone is recommended for top dressing lawns and for all farm crops.

Leguminous crops such as Alfalfa, Clover, Peas and beans in particular require applications of lime.

**Hydrated Lime** packed in 125 lb. bags, \$1.50; \$18.00 per ton.

**Ground Limestone** packed in 100 lb. sacks, price \$1; \$10.00 per ton.



## "Adjusto" Plant Support

is adjusted in a "jiffy" to any height, to conform to the plant's growth. It is indispensable for Tomatoes, Roses, Hydranges and Dahlias. In fact everything on the lawn or in the garden that needs a support.

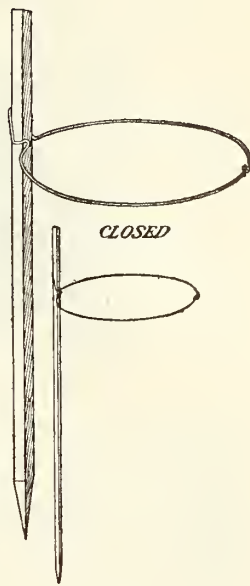
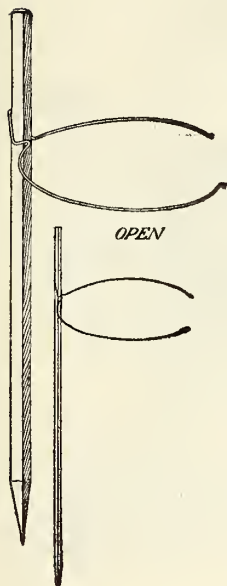
The stake is made of hard wood having a protecting coat of green paint, the heavy spring wire is also painted green and so will not rust.

The price is very moderate and is within the reach of all, both large and small growers.

### PRICE

3 feet	.....15c each.....	\$1.50 per dozen
4 feet	.....18c each.....	1.75 per dozen
5 feet	.....20c each.....	2.00 per dozen

Small sizes same as above, 18 and 24 inches, suitable for small potted plants, carnations, etc.



<b>Green Dahlia Poles,</b>	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.
	4c	5c	8c	12c	15c
<b>Bamboo Dahlia Poles,</b>	2c	3c	3c	4c	4c

20c doz 20c doz 25c doz 30c doz 35c doz.

### JARDINIERE FLOWER POT Eight Day Self Watering (Patented 1909)



### PRICES

4 in. inside.....	each	\$0.30
5 in. inside.....	each	.40
6 in. inside.....	each	.50
7 in. inside.....	each	.65
8 in. inside.....	each	.90
9 in. inside.....	each	1.39
10 in. inside.....	each	1.75

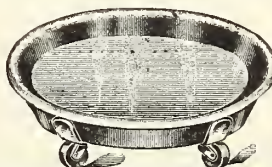
### WIRE AND WOOD FLOWER STANDS

1 Step Wire Flower Stand, 24 inches.....	\$1.50
1 Step Wire Flower Stand, 30 inches.....	2.00
2 Step Wire Flower Stand.....	3.50
3 Step Wire Flower Stand.....	4.50
4 Step Wire Flower Stand.....	5.98

### TREE TUBS

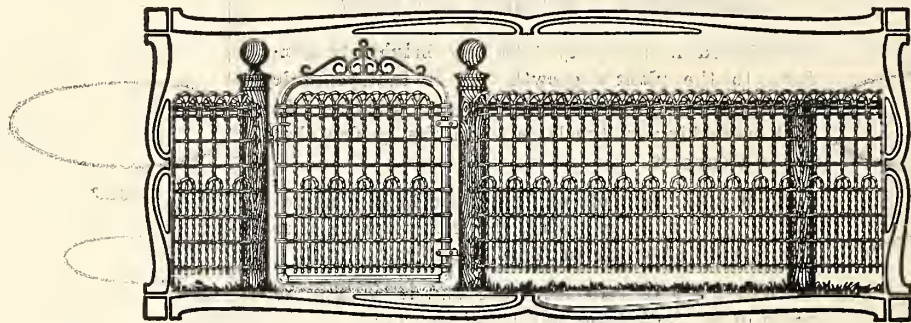
No. 1 Round.....	\$1.65
No. 2 Round.....	2.25
No. 3 Round.....	2.98
No. 3½ Round.....	3.75
No. 4 Round.....	4.50

### FLOWER POTS.



Indurated Fiber Rolling Stands, for finest quality machine made in sizes 2 inches to 14 inches. large flower pots and tree tubs.

## Ornamental Fences and Gates



Our Ornamental Fences are exclusive in design, and embody many highly meritorious features not to be found in those of any other manufacture.

Our fabrics are made by cabling horizontal wires and inserting, at regular spaces, heavy upright or picket-wires which are corrugated either at intervals or continuously to engage the cabled line-wires, reversing the twist of the cable on each picket—thereby causing the cables to become firmly seated in the corrugations of the uprights, thus forming an immovable joint, and providing for contraction and expansion. Will not unravel when cut.

### PRICE LIST.

36 inches high.....	25c lineal foot.
42 inches high.....	28c lineal foot.

## PERFECTION FLOWER-BED GUARD AND LAWN BORDER



A neat, artistic, and inexpensive fabric for the protection of flower beds. Also much used for lawn and curbway border. Can be readily taken up and used from year to year, cut off to length required, and the ends hooked together when set. No posts are required to hold it in place, as the picket ends are left projecting for insertion in the ground. Uprights are of No. 9 and cables of No. 13 heavily galvanized wire.

Made in two heights:

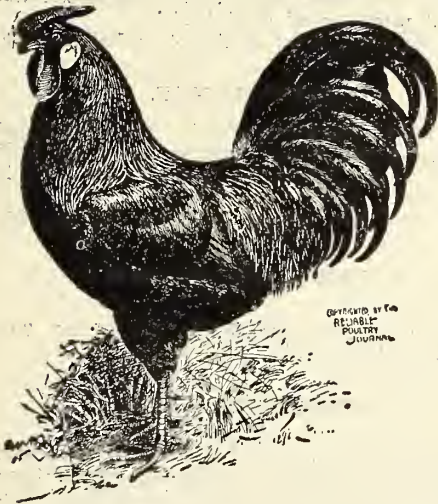
16 inches high.....	12c per lineal foot	22 inches high.....	14c per lineal foot
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## ORNAMENTAL WALK GATES

Cyclone Ornamental Gates are made to match any of our styles of fabric. Frames are of high grade steel tubing, with fittings of high-grade malleable iron and wrought steel. Same style as above we quote: 36 in. high, opening 36 in., \$4.80; 42 in. high, opening 36 in., \$5.20.



# High Grade Poultry and Pigeon Supplies



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REUNION  
POULTRY  
JOURNAL

## PRATTS BABY CHICK FOOD

for the "first three weeks."

Saves the little chick—brings them through the first three weeks in fine shape—keeps them well and makes them grow fast. The most successful poultrymen all over the country testify that PRATTS BABY CHICK FOOD is the greatest money saver and chick saver that they have ever seen. If you want real success with your chicks—want to raise all that are hatched every time—use PRATTS BABY CHICK FOOD. Try it once and you will never be without it.



14 lbs. Bags, \$1.20. Packages, 15c, 30c and 60c.

## "CRESCENT" Chick Feed for the Growth Stage.

A standard mixture of re-cleaned Cracked Grains, Seeds and Hulled Oats. The proportions are similar to the "Sun Brand," but a trifle coarser, especially to meet the requirements of the older chicks, although used by many from the beginning.



Prices on application.

The great need to poultrymen is for a dependable main ration, which shall be the basis of all feeding, something which, with necessary changes for age of fowls, may be used continuously from the beginning to the end of the feeding operations.

The line of poultry feeds hereafter given is believed to furnish the base for the best system for scientific feeding of poultry that is available.

**NOTICE**—Prices affixed to the different varieties appended are subject to change without notice.

## DEVELOPING FOOD.

A special food for properly maturing young chicks after they are weaned from Chick Food up to the time for feeding scratching food and laying food. Developing food is dry grain and may be fed from hoppers, but better results may be had by scattering broadcast.

Prices on application.

## "QUEEN" Poultry Mash a Poultry Food Contains Alfalfa Meal

Proportions changed to meet Requirements of Different seasons, also beef scraps and oil cake. A selected mixture of Ground feeds, manufactured from the choicest sound, sweet and wholesome Grain. It is carefully prepared and contains ingredients in proper proportions essential to the health and growth of the fowl, a health food, a molting food and an egg producer.

Prices on application.



## SCRATCH FOOD

For Grown Fowls.

Suitable at all Seasons. A carefully selected mixed balanced ration of grains, cracked and whole seeds, etc., adapted to the vigorous growth of fowls and production of eggs. Scratching food should be scattered in the litter the first thing in the morning and at noon; late in the afternoon feed all the mash food they will clean up.

Prices on application.



## BEEF SCRAP.

Standard Meat Food for Poultry of all Ages.

High Protein Beef Scraps is an especially valuable meat food for poultry and gives very satisfactory results. Any kind of Beef Scraps will not answer. Poor beef scours the birds and often injures them, when the first is used the results are uniformly good. Do not fail to buy your supply from a reliable source.

Prices on application.

**LAYING FOOD.****Egg Mash.**

Invaluable as a Supplementary Feed for Winter Laying—15 per cent Meat Scraps and Oil Meal—16 to 18 per cent Protein. Can be "Dry" hopper fed or moistened.

Prices on application.

**SPRATT'S CHICK GRAIN.**

A specially prepared and highly nutritious food for young chicks.

Prices on application.

**MUZZY "PIGEON FEED" A SQUAB DEVELOPER**

Right feeding of pigeons is considered something of a problem. Most raisers do not understand either the pigeon or its feeding as well as they do poultry. The true fancier, the man who raises birds for their beauty, for the show, for the pleasure there is in it, or for sporting, finds in our Pigeon Feed a combination suited to his needs.

Prices on application.

**CHARCOAL**

Prepared expressly for poultry, absolutely pure, essential to health of fowls and aids to digestion. We carry three grades:

No. 2. Fine, for use on mash mixtures.

No. 1 Medium, for small chicks

No. 0 Coarse, for fowls.

5 lbs., 35c. 10 lbs., 50c. 25 lbs., \$1.00  
50 lbs., \$1.50 100 lbs., \$2.75

**GROUND BONE, Fine and Granulated.**

Ground Bone is made from the Dry Bone, and contains Phosphates, Lime and Protien and is especially valued as an egg producer.

Prices on application.

**CUT ALFALFA CLOVER.**

A Poultry Food that aids digestion and as chicks there would be less mortality.

Prices on application.

sists in the assimilation of grain foods, thereby giving better results at lower cost. Among green foods, Alfalfa stands at the top. Mealed Alfalfa is a boon to poultrymen. It is used in a mash for small chicks as well as to mature fowls. If more of this meal was fed to young Prices on application.

**CUT RED CLOVER**

Cut Clover has become the standard green food for winter egg production. It is used and recommended by every poultry expert and well-known practical poultryman in America.

Writers on poultry topics endorse it as a necessity, especially during the long winter months when the fowls are unable to obtain a substitute for the bulky green food which is so plentiful during the summer season in the shape of grass clover and vegetables.

Prices on application.

**CRUSHED OYSTER SHELLS.**

It is needless for us to enlarge on the value of oyster shells for poultry. Every poultryman realizes their importance as an egg maker and general promoter of good health.

1 lb., 3c; 5 lbs., 15c; 25 lbs., 45c; 100 lbs., 90c.

**CRYSTAL GRIT.**

We supply four sizes of grit. No. 4 for Brooder Chicks; No. 3 for Pigeons; No. 2 for half-grown Chicks; No. 1 for Hens, Turkeys, Ducks and Geese.

1 lb., 3c; 5 lbs., 15c; 25 lbs., 45c; 100 lbs., 90c.

**FOUST'S HEALTH GRIT**

1 lb., 5c; 5 lbs., 20c; 10 lbs., 35c; 25 lbs., 75c; 100 lbs., \$2.00.

**SEEDS AND GRAINS.**

We carry a full line of the following: Wheat, Barley, Millet, Hemp, Sunflower, Kaffer Corn, Canadian Peas, Cracked Rice, Linseed Meal, Canary Seed and Mixed Bird Seed, Buckweat, Rye, etc.

**GRIT AND SHELL BOX.**

Sanitary grit and shell boxes make a material saving on grit and oyster shells, ground bone, charcoal or poultry foods. They are practical self feeding boxes made of heavy galvanized iron.

80 cents each.

Sanitary Dry Feed Box, 90c.

**1-2-3 POULTRY FEEDER.**

For feeding Dry Mash, Scraps, Grit, Oyster Shells, Charcoal or any poultry feed. The separator can be arranged so as you can have one, two or three compartments. When used for one kind of feed take out the separator; for two kinds put separator in one end; when used for three kinds, sav scraps, shells, and grit, put separator in the middle and you have three separate compartments. Price, \$1.10.



**Gape Worm Extractor.**

The use of this instrument is so simple that a few moments' practice will give almost all information needed. The wires being flexible, may be made smaller or larger by bending to suit any age fowl.

Full directions with each instrument.

**Pilling French Poultry Killing Knife.**

Every Poultry raiser should have one of our killing knives. They are made of a finely tempered instrument steel, with nickled handle; will last a life time. Don't wait! Send for it now.

**Reliable Spring Lever Poultry Punch.**

If you keep a record of your chicks, of the different breeds, hatches, strains, etc., there is no better, quicker, or easier way than by using our latest invention.

Price, 25 cents.

**Philadelphia Chick Marker**

Price, 25 cents.

**Incubator and Brooder Lamps**

With seamless founts drawn in one piece and galvanized after drawing.

7-inch by 2 3-4, No. 2 burner and chimney.

7-inch by 2 3-4, No. 3 burner and chimney.

Zero Incubator and Brooder Lamp.

Prices on Application.

**Pilling Caponizing Sets.**

The Farmer Mi Cap'niz'g Set	\$6.00
The Farmer's	“ “ 3.50
The Philadelphia	“ “ 3.25
The Plain	“ “ 1.75

Full instruction for use with each set.

**High Grade Tested Thermometers.**

The best incubator or brooder manufactured is worthless unless the thermometer used therein is accurate. Hundreds of hatches in incubators fail because of inferior thermometers, and large numbers of chickens are killed in brooders owing to defective or worthless thermometers.

The thermometers here listed are thoroughly tested before they are shipped.

Incubator Thermometer, each 50c.  
Brooder Thermometer, each 35c.

**Incubator Hygrometer.**

These Hygrometers should be used by every one who runs an incubator. They regulate the moisture as accurately as the heat which overcomes the trouble so many people have of chicks "dead in the shell."

Price, each, \$1.25

**Water-Glass.**

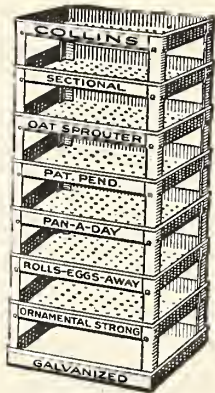
For Preserving Eggs.

2 lb. can.....	35c
5 lb. can.....	50c
11 lb. can (1 gallon).....	75c

# The Collins Sprouter

The Most Practical, Quickest Growing  
Perpetual, Sectional, Fireless

## OAT SPROUTER



All Metal, Heavily Galvanized. Packed in  
Corrugated Box 11½ x 15½ inches.

### PRICES

- 5 Pans, 11 x 15.....\$3.00
- 8 Pans, 11 x 15..... 4.00
- Extra large size..... 8.00

# THE PEERLESS SELF-FEEDING DRY FOOD HOPPER



This Hopper Stands for Economy, Efficiency and Reliability.

Ideal for feeding Dry Mash, Beef Scrap, Bran, Meal, Grits, Oyster Shell, Hen-e-ta Granulated Milk, Charecoal, Cracked Bone, Whole Grains, etc. Guaranteed to give ten years of continuous service.

Hopper feeding is decidedly the easiest and most economical method of feeding birds that are being raised for breeding, for market or for egg production.

### Sizes and Prices:

- Small, 8 qt. size, for 10 to 15 birds, \$1.25
- Medium, 15 qt. size, for 15 to 30 birds, \$1.75
- Large, 32 qt. size, for 30 to 50 birds, \$2.50

Buy them on our guarantee.

# This Automatic Poultry Feeder

WILL MAKE YOUR HENS LAY BETTER

The Norwich Automatic Feeder is used exclusively in the North American Laying Competitions, where all official records for high production and low mortality have been broken. The machines save half the labor of feeding, reduce grain bills, keep the fowls healthy and make them lay. You can get the same results by adopting this modern method of feeding. The new

## APACO POULTRY FEEDER

is low price, being especially designed to meet the needs of owners of small flocks. It is carefully constructed and has the all-important adjustable valve for regulating the strain flow and the positive rotary feeder rod, special features which can be secured from no other manufacturers.

Test this time-saving, results-bringing plan of feeding right now. Secure one or more Apaco Feeders and put your birds to work. They will quickly begin to pay dividends.

Guaranteed Satisfactory or Money Refunded.

Our complete catalog of money-making poultry equipment mailed free on request. It contains much valuable information which you should have.



12-Quart Size, \$1.50  
Delivered.





**SANITARY GALVANIZED IRON DRINKING FOUNTAINS**

1 qt. Chick Fountain... 35c  
1 gal....60c 2 gal....95c

**CONE TOP GALVANIZED IRON FOUNTAINS**

Small .....30c  
Medium .....40c  
Large .....50c



**LATHROP CHICK SERVER**

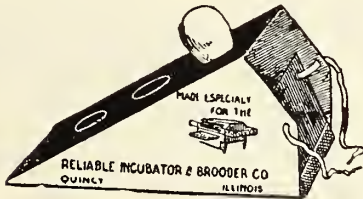


This is a very practical device for serving water, grain or grit to chicks. The chicks cannot get into it and drown. It has no seams, is all smooth and easy to clean. No exposed edges to rust. Price 25c.

**THE PEERLESS BROODER FOUNTAIN**

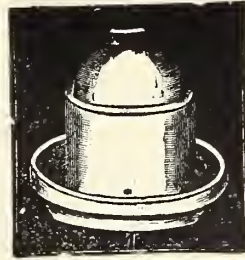
The Ideal Fount for little chickens

Price 35c each, \$3.50 per dozen  
5 qt. size 85c. 10 qt. size \$1.25  
Heater attachment 5 qt. size \$1.25  
" " 10 qt. size \$1.50



**GEM FOLDING EGG TESTER**

A tester consisting of pasteboard and a strip or mirror. The tester has been in common use for years, is very popular and fills a longfelt want for something accurate and cheap. Price, 50 cents.



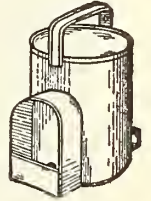
**EARTHWARE FOUNTAIN**

This fountain is the only kind made in this form—2 sections—in earthenware. They can be easily cleaned; and if frozen, can be refilled without trouble. They keep the water always fresh and cool.

Each. 1 quart, 30c; 1/2 gallon, 40c; 1 gallon, 50c; 2 gallon, 60c.

**WALL FOUNTAIN.**

1 quart .....35c.  
2 quart .....50c.  
4 quart .....75c.  
8 quart .....90c.

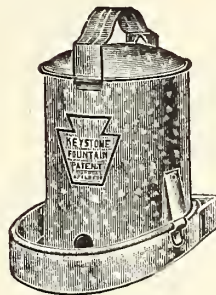


**SEXTON UP-TO-DATE FOUNTAIN**



Six quarts, price 75c each.

**KEYSTONE FOUNTAINS**

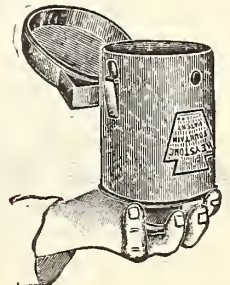


Practical  
Convenient  
Easy to fill  
Not Injured by Freezing

Large comb fowls can drink readily from this fountain.

Price

1 quart .....35c.  
2 quart .....50c.  
4 quart .....65c.  
8 quart .....98c.



## THE NORWICH AUTOMATIC AIR-LOCK FOUNTAIN



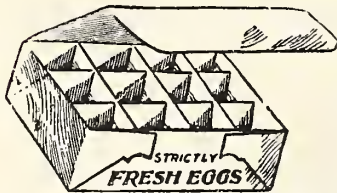
### SANITARY NON-FREEZING

How to supply water to the poultry house during the winter months has been one of the problems which has confronted the poultrymen for years, for there is nothing more discouraging than to fill the drinking vessels, with all the accompanying discomforts of carrying water in cold weather, and then have the fountains freeze almost before we finish the task, and it has been the experience of many poultrymen that their birds have been without water for most of the day in consequence

One filling of the oil tank will keep the apparatus burning day and night for two weeks, and it is but necessary to trim the wick occasionally, for the blaze is so small the wick crusting is a very slight matter. To accomplish the cleaning of the wick, the base is fitted with a slide, through which it may be attended without removing the reservoir, while the regulation for a high or low flame is accomplished from the outside of the burner by means of the wheel, as shown.

Made in one size only—5 gallons capacity.  
 Price—Complete with Burner Base.....\$4.00  
 Without Burner Base..... 2.50

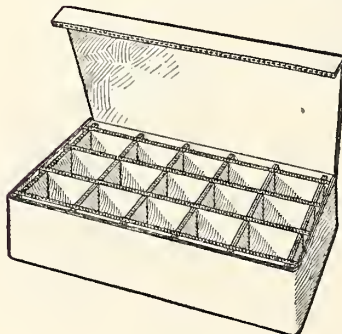
### PAPER EGG BOXES



\$1.00 per 100; \$8.50 per 1,000.

Just the thing for your family egg trade, they ship knocked down can easily be set up.

Extra heavy, 1 doz. size, 15c dozen.



### ANDREWS' EFFICIENCY COMMERCIAL EGG CARRIER

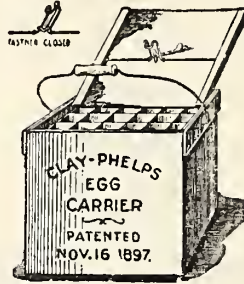
Air cushion on all sides to prevent jars.

Eggs stand on end to prevent breakage.

Practically same as above, but made in sizes to suit shipping of commercial eggs. Printed gummed label with each carrier.

One Dozen	8 3/8-in. x 6 3/8-in. x 2 7/8-in.	\$1.00 per Doz.
Two Dozen	12 7/8-in. x 8 3/8-in. x 2 7/8-in.	1.50 per Doz.
Three Dozen	12 1/4-in. x 12 3/4-in. x 2 7/8-in.	1.75 per Doz.

### RELIABLE EGG CARRIER



Is made with an adjustable cover and a patent combination lifter and fastener, which is far superior to other similar devices now on the market. There is no more durable or better carrier made. A necessity to all poultrymen. Prices are as follows:

9 doz. size, each...75c

### THE EUREKA EGG CASE

Herewith is illustrated the Eureka Egg Case, which is the most durable of any egg case in the market. It has five strong points namely:

1st—It is strongly constructed.

2nd—It has Patent Handles.

3rd—It has little Daisy Hinges, allowing the cover to fall close to the back.

4th—It has Snap Fasteners.

5th—Its Fillers are first-class and have no equal.

If you are shipping eggs it costs less in the end than any other

Size	Case with Fillers	Size	Case with Fillers
9 dozen.....	\$1.25	15 dozen.....	\$1.50
12 dozen.....	1.25	30 dozen.....	1.75

### LONG FOLDING PAPER EGG CARTONS

A very handy, oblong egg carton for delivering eggs. Made of good quality of cardboard; self-opening. This box can also be used for packing in ordinary egg crate, if desired.

1 doz., 20c; 100, \$1.35; 1000, \$12.00.

### EXTRA HEAVY EGG BOXES

of Manilla Board, stronger than above.

1 doz., 20c; 100, \$1.35, 1000, \$12.00.

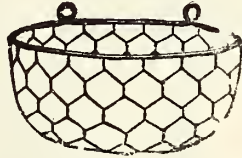


**METALLIC EGG TESTER.**

We manufacture what is probably the neatest and surest metallic egg tester on the market. It consists of a metal lamp chimney and tubular projection. Is made in two parts so the tubular projection can be removed and chimney used separately, 25c.

**WIRE CHICKEN NESTS**

These nests are strongly made from heavy Japanned Steel Wire. They are intended to fasten to the wall with screw hooks, there is no room on them for lodgment of life, vermin of any kind, easy to keep clean and far superior to wooden boxes.



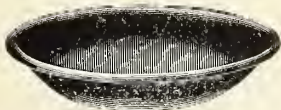
Price, each, 20c; per dozen, \$2.00.

**PIGEON NESTS**

Should be used by every pigeon fancier. Made of clay, with heavy bottom to prevent upsetting. Size about 9 inches in diameter.

Price, 12c each.

**INDURATED FIBRE**



Fills a long felt want for all squab breeders. Wood gets filthy and vermin laden in a very short time.

Iron or earthenware is cold and bad for the birds.

20c each.

**FEED AND DRINKING CUPS.**

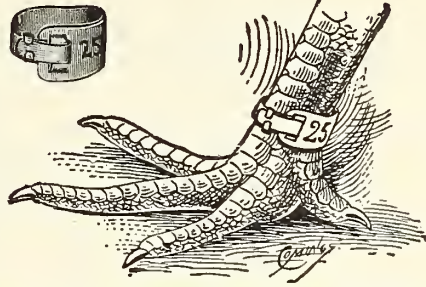
Galvanized. Especially Suitable for Exhibition Coops.

No. 0, 4 3/8 x 3 1/4 x 2 1/4 inches, price, each, 18c. No. 1, 5 1/8 x 3 1/2 x 2 1/2 inches, price, each \$0.20.



**IMPROVED CHAMPION LEG BANDS ALUMINUM.**

Raised Numbers



This is a well known band, is one of the best on the market; is light and strong, being held by a double lock, is impossible to come off.

10c doz.; 25 for 20c; 50 for 30c; 100 for 50c.

**SUPERIOR LEG BANDS.**



Made from spring wire aluminum tag. Price 15c per dozen; 60c per 100.



Bands for Marking Pigeons.

**PERFECTO LEG BANDS.**

Celluloid.

Red, Green,

Black, Pink,

Yellow, Lt. Blue,

Amber and Ruby



Mark each hen for her pen, so that you know where she belongs at a glance.

Mark your old hens to distinguish them from the pullets so that you can catch the right one to kill at the first grab.

Price, Nos. 1, 2, 3, 15c doz., 30c for 25, 50c for 50, 75c for 100.

Pigeon and Chick, 10c doz., 20c for 25, 35c for 50, 50c for 100.

**ADJUSTABLE CLINCH POULTRY BANDS.**

Made of Aluminum.



Prices: 12 bands, 15c, 25 bands, 20c, 50 bands, 35c, 75 bands, 50c, 100 bands, 65c.

## POULTRY-MUSTARD

The experience of practical poultry raisers and the results of careful experiments conclusively demonstrate that Colburn's Poultry-Mustard keeps fowls in vigorous condition, increases egg production, improves fertility and hatchability of the eggs, and does not injure the birds in any way.

**DIRECTION FOR USING.**—This Mustard may be fed in a dry mash or moist mash, as preferred. Give one heaping teaspoonful daily to each ten birds. This amount may be increased, especially during cold weather. Be sure to thoroughly mix the mustard with the ground grains.

Endorsed and recommended by leading poultrymen.



### NEST EGGS

#### ANTISEPTIC NEST EGGS.

Kills Lice and Mites in Nests and on Fowl's body where they congregate and worry the layers. No trouble to use. Simply put them in the nest.

5c each, 6 for 25c.

Lime Nest Eggs, 3c each, 25c a dozen.

No-Odor.—One of the best nest eggs to use.

#### PORCELAIN NEST EGGS.

These eggs are made of first class flint and do not break and will last indefinitely.

Price 2c. each, 3 for 5c. Doz. 18c.



#### WHITEWASH SPRAYER

This is the only spray pump that properly sprays whitewash without clogging. It is constructed of heavy galvanized iron with brass tops and valves. Large air chamber and ball valves, the pressure maintains a continuous stream or spray not affected by the upward stroke.

Galvanized Iron, \$2.75 Brass, \$4.25

Chick-Chuk contains 50% Protein and 30% Bone, with 2% of fat and 2% of salt. It is finely ground and sifted fish meal made from only the edible portions of clean, pure Cod, Haddock and Pollock. It possesses a far greater

value than ordinary commercial fish scrap and positively will not taint the flesh or eggs.

Price 1 lb. 10c; 5 lbs. 8c; 10 lbs. 7c; 25 lbs. 6½c; 100 lbs. \$5.00.

# CHIC CHUK

THE IDEAL CONCENTRATED  
POULTRY FOOD



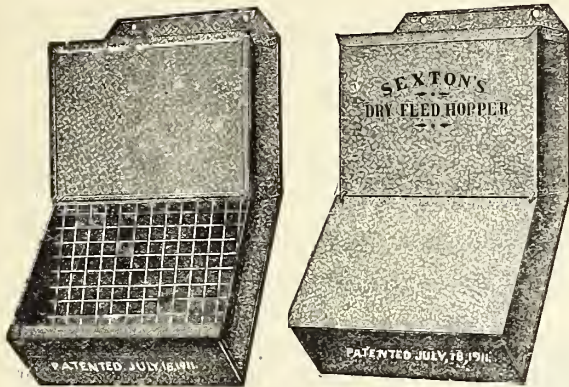
#### METALLIC BROOD COOP

They are Positively Rat-Proof.

Each end has five ventilators with shelters over each so rain can not blow in. The top is made so that it can be raised from the back to let extra air in on warm days.

These Coops are made by experienced people who have had an opportunity to learn from experience what is most needed for a **SUCCESSFUL COOP**. Size 24 in. long, 18 inches wide, 14 inches high,  
**Price, \$1.50 each.**





**OPEN**                      **CLOSED**  
 Easy to Fill              No Waste  
 Rat Proof                  Dust Proof

**SEXTON'S DRY FEED HOPPER**

(Patent Pending)

Pronounced to be the best Hopper offered. Simple in construction, easily operated and absolutely "Rat and Mouse Proof."

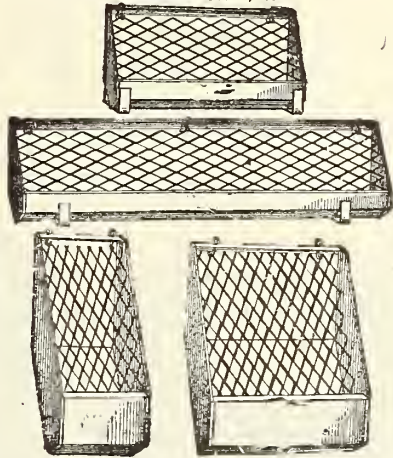
No. 1, Poultry Size.....\$1.35 each  
 No. 2, Chicken Size..... 1.25 each

Special Size to Order

Rubber Bucket Pumps and Extra Fittings

**"THE BOSTON"  
 POULTRY DRY FEED HOPPER CO.  
 BOSTON MASS. U.S.A.**

PATENTED NOV. 12, '07.



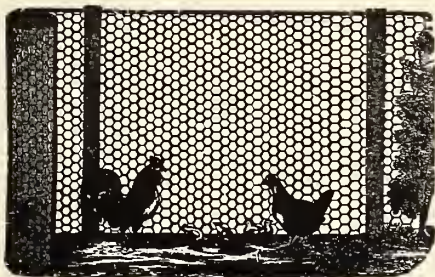
\$1.25              \$1.75              \$1.25              \$1.50

These Hoppers are absolutely automatic and positive in their action. They cannot clog—they do not waste. They are made of galvanized iron with swinging grind (mesh) and hold 1/2 peck to 1/2 bushel respectively, and will last a lifetime. Feed is always accessible and in sight, they save labor and money.

**POULTRY NETTING**

Our Poultry Netting is woven from the best quality of steel wire of full standard gauge. It is heavily galvanized after weaving, thus insuring the greatest durability.

Galvanized Wire Netting

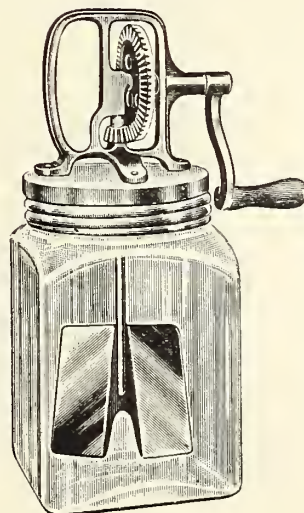


Wire 2 inch Mesh, 1 ft., 2 ft., 2 1/2 ft., 3 ft., 4 ft., 5 ft., 6 ft. No. 20 Wire 1 inch Mesh, 1 ft., 2 ft., 2 1/2 ft., 2 ft., 4 ft., 5 ft. and 6 ft.

Market Prices.

**A WONDERFUL PROCESS OF**

**ECONOMY**



The Lightning Butter Machine saves 45 per cent. of your butter bill.

One pound of butter and one pint of milk make two pounds of milk charged butter.

**PRICE**

1 qt. ....\$1.50  
 2 qt. .... 2.00  
 3 qt. .... 2.50  
 4 qt. .... 3.00

# AQUAROID ROOFING

QUALITY CERTIFIED

DURABILITY GUARANTEED

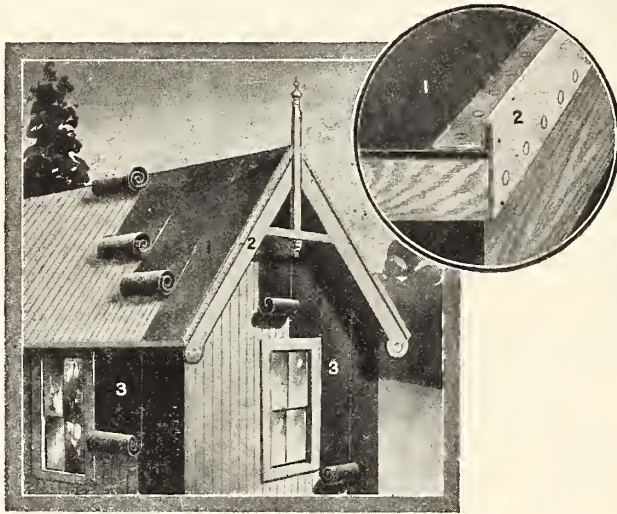
GUARANTEED

1 Ply 5 Years

2 Ply 10 Years

3 Ply 15 Years

We are authorized by the Manufacturers to furnish the manufacturers written guarantee for the period above mentioned.



This roofing is made of the best long fibre wool felt, saturated and coated with pure refined asphaltum and is not affected by acid gases or climatic changes. It is suitable for flat or steep roofs. Put up in rolls containing 100 square feet, sufficient to cover one square allowing 2 inches for lap. Nails, tin caps, cement and directions for laying on, packed in each roll. It is made in these weights:

1 Ply, 35 lbs.....\$1.75 per roll  
 2 Ply, 45 lbs..... 2.25 per roll  
 3 Ply, 50 lbs..... 2.75 per roll

## COMPETITION ROOFING PAPER.

This paper is manufactured by a reliable manufacturer, is watertight, durable, strong, impervious to air and is not affected by heat or cold.

1 Ply, \$1.25 per roll.

## MANN'S PAT BONE CUTTERS

Are one of the best Bone Cutters ever sold to the public and they are one of the most successful Hand and Power Machines on the market today for cutting green bones.

No. 5 B \$11.00      No. 5 BM with legs, \$14.00  
 No. 7 with legs, \$16.00

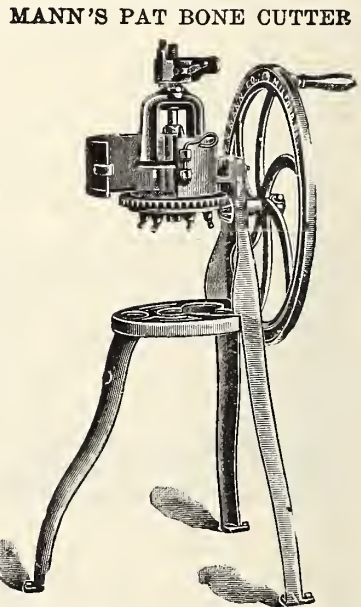
## NO. 32 HAND MILLS



In these mills are embodied all the good features of other hand grinding mills, to which have been added universal burrs or grinding plates that are adjustable for grinding coarse or fine. This machine grinds oats, barley, rye, corn, peas, dry bone, shells, etc., for feeding to poultry. It is a well designed machine, is strong and well made throughout and of excellent finish; has a 16 inch fly-wheel and is light running.

The capacity of this mill is not equalled by any other of the same size. Shipping weight 40 pounds. Capacity 1 or 2 bushels per hour.

Price \$4.48



## MANN'S PAT BONE CUTTER



**PRATTS POULTRY REGULATOR**

does make hens lay. It regulates the blood, bowels and digestive organs of all fowls. Keeps them robust and as an egg producer it stands unrivalled. When regularly used hens lay throughout the year. In fact most of such diseases as chicken cholera, gapes, roup, rheumatism, worms and egg eating are unknown when it is given regularly.



25 lb. pail, \$2.50  
100 lb. sacks, \$9.00  
Pkgs, 25c, 50c, and \$1.00.

**PRATTS POULTRY DISINFECTANT**

Give comfort and health by destroying lice, mites and other vermin and the germs of roup, colds and other diseases by freely and regularly using Pratts Poultry Disinfectant.

1 Quart.....45c  
1 Gallon.....\$1.25



**PRATTS ROUP REMEDY**

Don't let ROUP cut your profits. The sure and easy "ounce of prevention" against this dangerously contagious diseases is Pratts Roup Remedy.

Quickly absorbed by the blood, purifies the system, reduces fever, always inflammation. Tablets or Powder, \$1.00; 50c; 25c.



**PRATTS POWDERED LICE KILLER**

You must rid birds and houses of lice, mites, etc., so that hens can lay and chicks can grow in peace. Pratts Powdered Lice Killer is the best insecticide. Powerful, safe and economical.

Packages, 10c, 25c and 50c.



**PRATTS WHITE DIARRHOEA REMEDY**

To protect your chicks from white diarrhoea, the most destructive of all chick diseases, it is only necessary to give Pratts White Diarrhoea Remedy in the drinking water from the first drink.

Packages 25c and 50c.



**PRATTS HEAD LICE OINTMENT**

Causes immediate death to the Head Lice which kill so many thousands of little chicks yearly. Head Lice weaken the chick's health, and a chick in a weakened condition easily contracts many other diseases.



**PRATTS GAPE REMEDY**

An unfailing guaranteed remedy for Gapes. If used in the drinking water from the start until the chicks are four weeks old, gapes will be practically unknown. Price 25c and 50c. Will mail post-paid upon receipt of price.

**PRATTS CHOLERA REMEDY**

An unfailing remedy for cholera and a "guaranteed or money back" article is Pratts Cholera Remedy. It is administered in the drinking water and will be found of great value, not only for treating cholera but also in cases of indigestion, sour crop, dysentery, diarrhoea and bowel trouble.

**PRATTS CONDITION TABLETS**

A "bracer" for over-worked, run-down poultry. Keeps show birds in the pink of condition; puts flesh on thin birds; prevents colds, roup and liver troubles.

25c and 50c a box.

**PRATTS SCALY LEG REMEDY**

You can quickly root out the little insect which digs the scales of the feet and legs of your chickens by the use of Pratts Scaly Leg Remedy. This disease not only impairs the vitality of your birds, but also ruins their appearance. 25c and 50c a box.



**PRATTS SORE HEAD (Chicken Pox) REMEDY**

25c Box.

**PRATTS BRONCHITIS REMEDY**  
for Bronchitis, Colds, etc., 25c.

**ROUPENE WHITINGS RELIABLE ROUP REMEDY.**

"ROUPENE" will be found an infallible preventative and sure cure for Roup, Canker, Diphtheria, Chick-pox or Sorehead. Gapes, and all diseases of the respiratory organs in every species of fowl and pigeon; also will positively cure the sniffles in dogs and rabbits. Price, 50c.

**CONKEY'S ROUP CURE**

Conkey's Roup Cure is guaranteed by its manufacturers to cure Roup in all its forms. It is simply put in drinking water and the chicken takes its own medicine. It prevents colds, and is unequalled for canker, especially in pigeons. Small package, 25c; medium package, 50c; large size package, \$1.00 postpaid.

**TO SAVE YOUR LITTLE CHICKS USE**

**Whittings' White Diarrhoea Remedy**

It will prevent and cure White Diarrhoea and Cholera. We do not claim to make strong chicks out of all weaklings, but we do claim to prevent and cure White Diarrhoea, and, by the use of our remedies, to increase the vitality, thereby giving the little chicks the best possible chance in their battle for life, and restore to health and vigor a very large percentage of the weaker ones, that without our remedy would surely die. Price 50c.

**ROSE NICOTINE**



Most powerful insect and parasite Destroyer known. Guaranteed to kill insects, lice on flowers, plants, fruit trees, vegetables, human body, cats, fowls, earth worms, ants, also any house bugs or vermin. 25c per pound.

Rust's Egg Record, lasting one year, and excellent Poultry Booklet, FREE

GET PLENTY OF EGGS



Feed does not contain everything needed, so eggs get scarce. Make the feed complete by adding

**RUST'S EGG PRODUCER**

20 YEARS' SUCCESS

Prices—1 lb. 25c; 2 1-2 lb. 50c; 6 lb. \$1.00; 10 lb. \$1.50; 25 lb. \$3.50.

Refuse substitutes. Get a box of RUST'S EGG PRODUCER to-day.

Costs 2 cents a month for each hen to use RUST'S EGG PRODUCER

**SMITH'S HEAD LICE OINTMENT**



for  
Young  
Chicks



**RUSTS'S  
LICE POWDER**  
10c., 25c., 50c., 1.00



**RAT CURE**

Tablets for Rats and Mice. The cheapest exterminator. 4 Rats for 1 cent.

Every tablet means one Rat less.

Price, 25c Box.

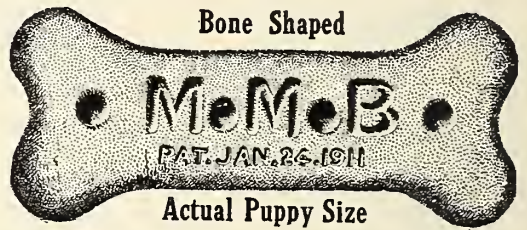


**Disinfectant  
LICE KILLER**

**GERMICIDE**  
ZENOLEUM DISINFECTANT  
ANIMAL DIP.

Eight ounce can 25c.,                      Quart can 50c.  
Gallon can \$1.50                      Five gallon can \$6.25

**DOG CAKES**



Maltoid Milk Bone is a complete food in itself and is the only Perfect Food for all breeds, the quality of which is recognized by all Dogs through their keen sense of smell to the degree that they will leave any other Dog biscuits placed side by side. We stake our reputation with you on this.

The Bone Shape is tremendously attractive to the Dogs. They will handle it exactly as a Bone, holding it between their paws, and they will gnaw at it, thus benefiting the teeth and gums, increasing the flow of saliva and aiding digestion. For these reasons it should be fed dry and unbroken.

Price, Dog Biscuits, 15c pkg.

Puppy Biscuits, 15c pkg.

Discount in large lots

**SPRATT'S DOG AND PUPPY CAKES.**

Dog Cakes, 12 cents lb.

Puppy Cakes, 12 cents lb.



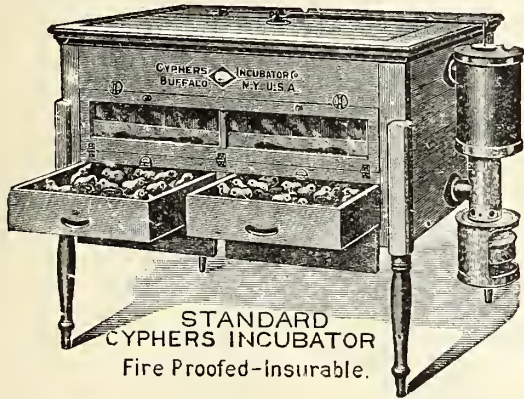
SOLE AGENTS FOR

# Genuine Standard Cypher Incubators

Guaranteed to be the Best Hatchers of the Largest Percentages of Strong, Vigorous, Healthy Chicks. Beginners Obtain Success with Them on First Trials. Every Machine is Warranted.

MADE IN FOUR SIZES

No. 0 Incubator—Capacity, about 70 Hen Eggs, 56 Duck Eggs.....	\$18.00
No. 1 Incubator—Capacity, about 144 Hen Eggs, 112 Duck Eggs.....	28.50
No. 2 Incubator—Capacity, about 244 Hen Eggs, 200 Duck Eggs.....	41.00
No. 3 Incubator—Capacity, about 390 Hen Eggs, 300 Duck Eggs.....	49.00



CYPHERS INCUBATORS are built to hatch and to last. With proper care—the same care you would give a valuable piece of household furniture—a standard Cypher will last an ordinary lifetime. They are guaranteed by us to last ten years without repairs. We make this guarantee because they have lasted much longer than this—and are still doing first-class work.

THE GREATEST COLONY HOUSE VALUE EVER OFFERED TO THE PUBLIC

This House Is Built As A HOUSE Should Be Built

## CYPHERS PORTABLE HOVER.



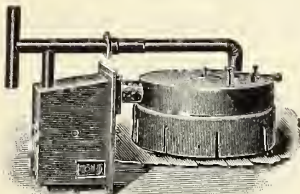
Shows the Cypher Company Portable Hover in use on Floor of Poultry House. Chicks at all times are on a level with the surrounding floor. Price, \$12.50.



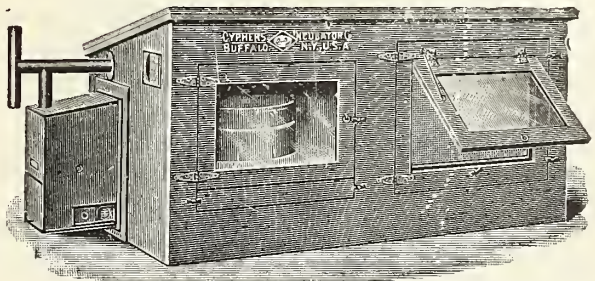
Size, 64 inches long, 36 inches wide, 36 in. high. Weight, crated for shipment, 250 pounds. Complete, with floor and roosts.

Price, \$12.50.

## CYPHERS OUTDOOR BROODERS.



Cypher Adaptable Hover.....\$12.50  
 Cypher Style A Outdoor Brooder.. 20.00  
 Cypher Style B Outdoor Brooder.. 29.50



Fire-Proofed, Insurable, Self-Ventilating and Self-Regulating

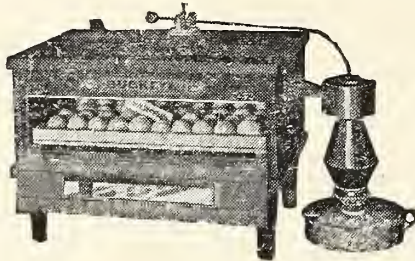
Large Illustrated Catalogue of Cypher Incubators, Brooders, etc. Furnished on Application.

SOLE AGENTS FOR  
**BUCKEYE INCUBATORS**

**The Standard of Perfection in Artificial Incubation**

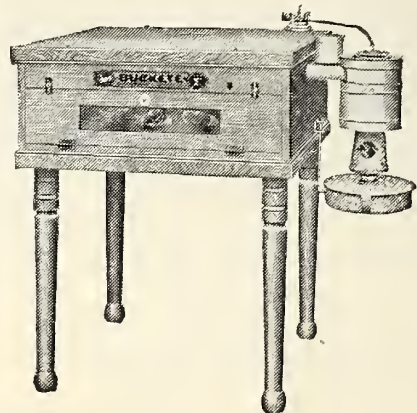
In designing our 1918 Buckeye incubators we have not departed from the methods and principles of incubation that we have found so extraordinarily successful for twenty-three years, but we have so perfected this system that we are now hatching a large percentage of eggs that have heretofore been generally considered as unhatchable.

For twenty-three years our aim has been to build a perfect hatching device that could be depended upon to produce the same uniform results regardless of surrounding conditions—and so simple that it could be operated with the same degree of success by the beginner as it would produce in the hands of an experienced poultry raiser.



No. 14 (Style E) 60 Egg Buckeye Incubator  
**\$10.50**

This complete 60 Egg Incubator, guaranteed to hatch every hatchable egg. The greatest Incubator value ever offered.

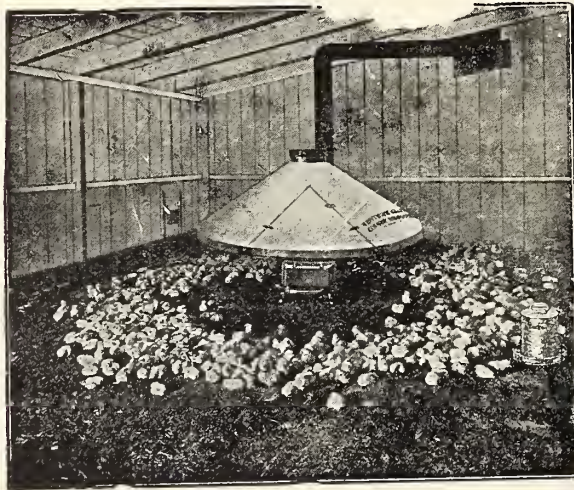


No. 16 (Style E) 110 Egg Incubator.....\$18.50

No. 17 (Style E) 200 Egg Incubator..... 24.50

**Price List Incubators**

- No. 15 (Style H) Capacity 60 Eggs.....\$14.50
- No. 1, Capacity 110 Eggs..... 24.50
- No. 2, Capacity 175 Eggs..... 29.50
- No. 3, Capacity 250 Eggs..... 39.50
- No. 4, Capacity 350 Eggs..... 47.00



**THE STANDARD COLONY BROODER**

(Patented July 4, 1916)

**The Most Remarkable  
 COAL BURNING BROODER**

**Ever Invented**

Broods 100 to 1,000 Chicks

Equipped for Coal or Gas.

Self-Feeding, Self-Regulating, Simple, Safe,  
 Everlasting

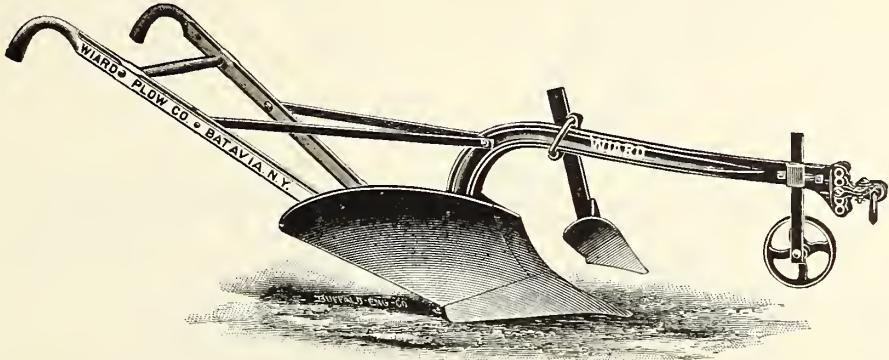
**GUARANTEED OPERATING COST  
 LESS THAN SIX CENTS A DAY**

**SAVES LABOR, TIME AND MONEY**

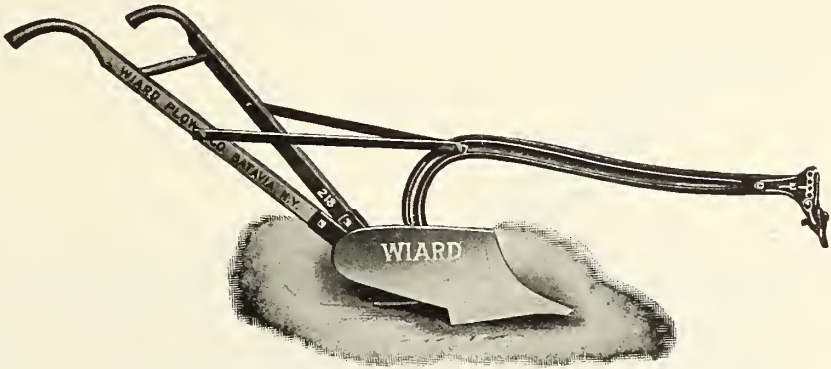
- No. 18, Capacity Chicks up to 500....\$17.50
- No. 19, Capacity Chicks up to 1000.... 21.50



# THE WIARD PLOW



No. 100—Right hand with Steel Moldboard, Grooved Steel Beam, light, but very strong.  
Weight, 106 lbs. Full rigid..... \$22.83



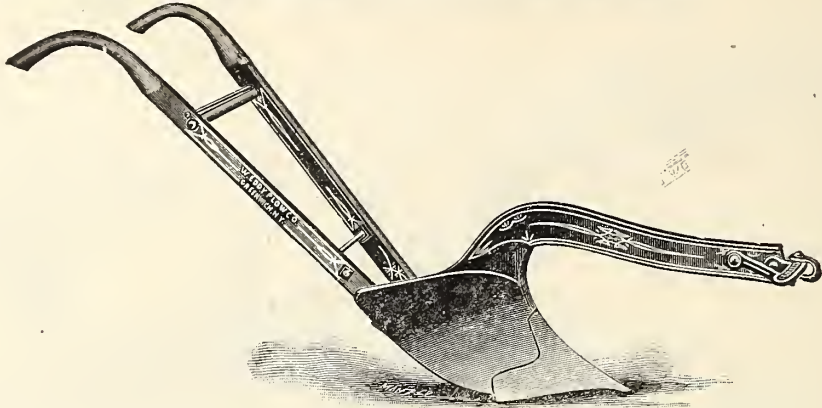
No. 218—Light Two Horse, Chilled Moldboard, Sloping Landslide, with wheel and clevis.  
Weight, 99 lbs. Price..... \$13.20



No. 210—New 1-Horse Plow, Steel Beam, very fine ..... \$ 7.98  
 No. 72—Light Two Horse, Steel Beam, Right Hand ..... 19.80  
 No. 62—Small, One Horse, Wood Beam, with Clevis only ..... 6.60  
 No. 13—Light One Horse, Wood Beam, with Clevis only ..... 8.80  
 No. 91—Two Horse, Steel Beam, Right hand..... 20.35  
 No. 10—One Horse, Wood Beam, Right hand, Chilled Moldboard, Adjustable Handles for  
 height and running close to rows, with Clevis only ..... 10.75

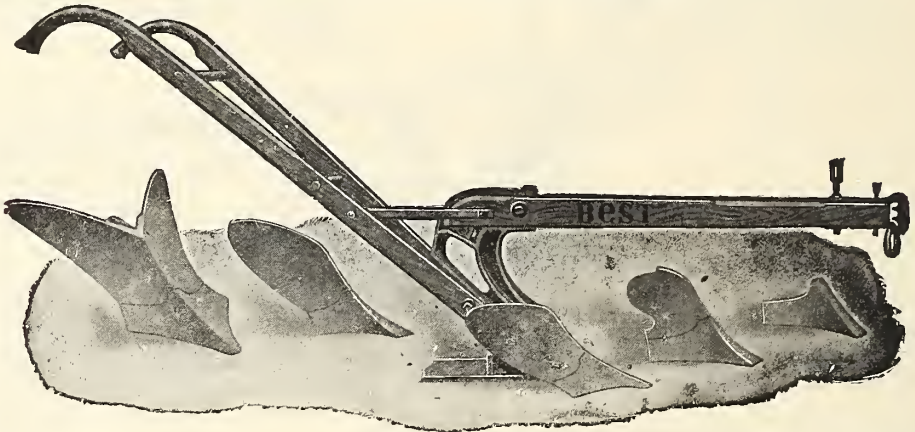
**REPAIRS FOR ABOVE PLOWS ALWAYS IN STOCK.**

- No. 115x—Swivel, Light Two Horse, Charcoal Iron Beam, Full Rigid with Colter and Adjustable Clevis .....\$21.72
- No. 21—Swivel, One Horse, Cast Moldboard, Wood Beam, Clevis and Wheel..... 13.20



- No. 6—One Horse, Cuts 10 inches, Weight 50 lbs.....\$10.98

It has Clevis that permits horse to walk in furrow. An excellent Plow. Low in price, Chilled Iron. Landslide chilled on bottom; is very strong and convenient.



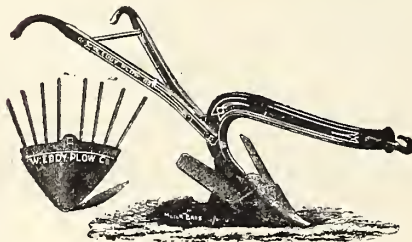
**THE BEST PLOW.**

This is the best one horse convertible Plow ever sold for the use of market gardeners and farmers generally. By changing the Moldboards and Shears that come with the Plow, the purchaser actually has four plows in one. Price complete .....\$10.98

No. 1½ Moldboard and Share makes a large one horse Plow.

No. 2½ Moldboard and Share making a medium sized one horse Plow, a cabbage Moldboard and Share making a complete Cabbage Plow, and by using the Plow without the moldboard with the small Share bolted to the standard, makes a superior Plow for working among cabbage, strawberries, etc.

**MITCHELL POTATO DIGGER AND SHOVEL PLOW COMBINED.**



- Price with wings only.....\$ 8.98
- Price with Potato Digger..... 9.98
- Price with Wing and Potato Digger attachment.... 10.98

This implement should be in the hands of every practical farmer, doing its work easily and in the most perfect manner. By the changing of one bolt it may be converted into a Shovel Plow or Potato Digger. The fingers are adjustable, being held in position by the plow point. Thus in case of breakage, a new part may be inserted without the expense of a whole new head. The fingers, points and wings are of steel, rendering it light, strong and durable.

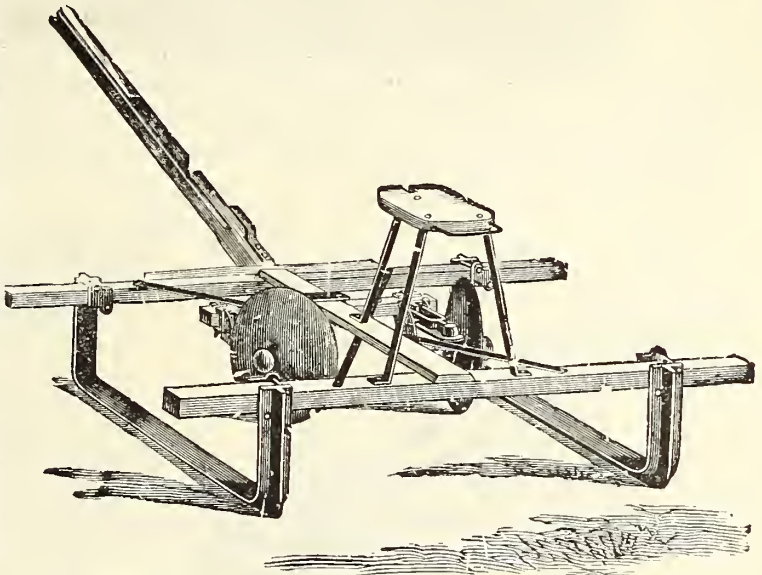


# Darnell's Patent Furrower and Marker

In presenting the numerous merits of this invaluable little implement we would be glad to draw a comparison with another of its kind, but we have seen or heard of nothing but the ordinary scratch sleds which made a mere mark as a guide for the plow which follows, thus increasing the work instead of lessening it.

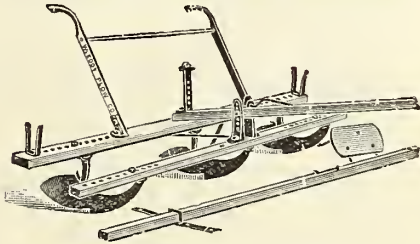
We have a genial everborrowing neighbor, however, with whom we might compare notes, and we will just bring him forward with his plow which he is inclined to think is good enough yet. We think you will not fail to notice the difference.

We ride while he walks. We bring into requisition the services of our boy, if busy ourselves, while nothing short of a man, and a good one, too, can handle the plow.



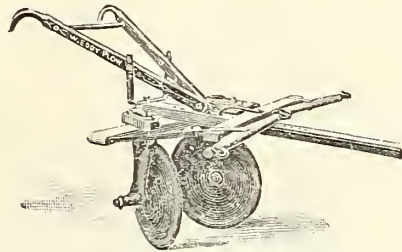
We open two furrows while he opens one in clean ground, and do it better. Price, \$25.00

THE EDDY IMPROVED MARKER



Price.....\$14.98

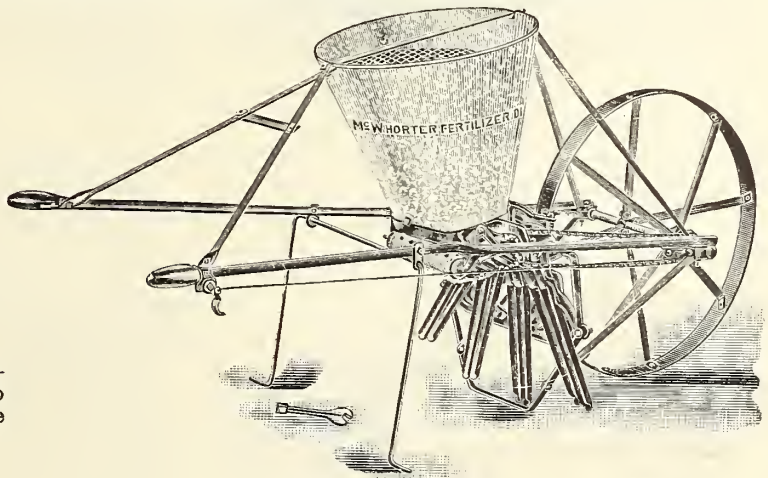
EDDY'S NO. 10 DISC HOE AND COVERER



Price.....\$13.98

THE NO. 21 McWHORTER HAND FERTILIZER DISTRIBUTER

For the Practical Superior Distribution of all Commercial Fertilizers



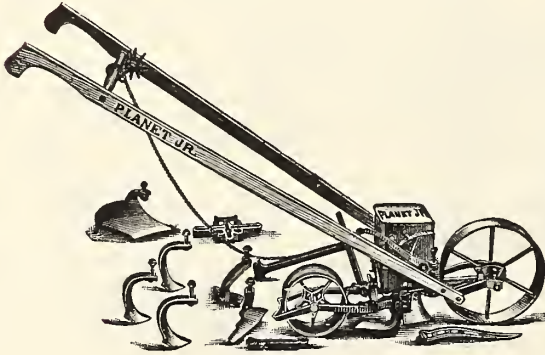
Showing Hand Distributor set for Side or Top Dressing 4 rows at one time.

Price, \$17.00

# Planet Jr. Garden Tools



The New "PLANET JR." Catalogue is the handsomest, best and most instructive book ever issued on a similar subject. Full of little points that bring profit. Full of true and handsome illustrations. We mail it free to any address on application.

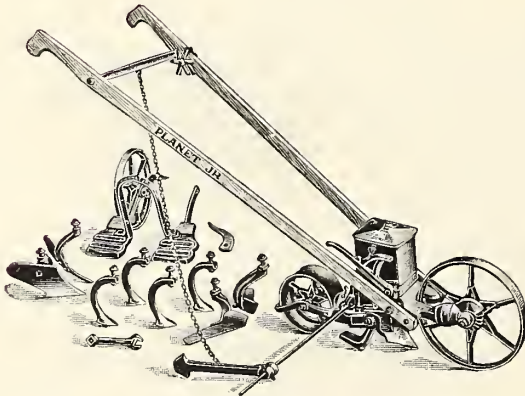


## NO. 4 PLANET JR. COMBINED HILL AND DRILL SEEDER, WHEEL HOE, CULTIVATOR AND PLOW

Price, Complete, \$16.50. Weight, 50 lbs.

As a Seeder Only, \$13.00. Holds  $2\frac{1}{2}$  qts. seed.

This accurate, durable and easy-running tool sows all garden seeds from the smallest up to peas and beans in hills, 4, 6, 8, 12 or 24 inches apart, or in drills at the proper thickness and depth; rolling down and marking out the next row all at one passage. No time is lost. No seed is wasted. By removing the seeder parts and substituting the tool frame, you have a first-class single wheel hoe with a set of specially hardened steel tools, the best made for hoeing, plowing, cultivating, opening furrows, hilling, etc.



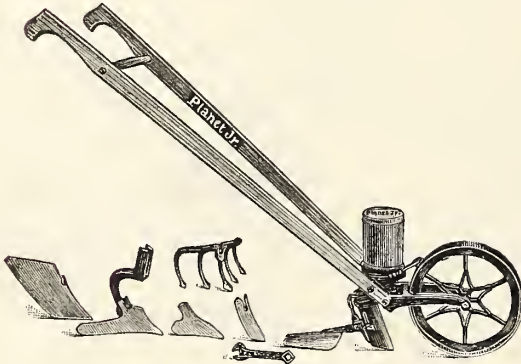
## NO. 25 PLANET JR. COMBINED HILL AND DRILL SEEDER, DOUBLE AND SINGLE WHEEL HOE, CULTIVATOR AND PLOW

Price, \$19.50

Weight packed, 61 lbs. Holds  $2\frac{1}{2}$  qts. of Seed

This combination is intended for gardeners who have a large enough acreage in crops for a double wheel hoe to be used to good advantage, and yet prefer not to buy seeders and wheel hoes separately; and for the family garden where a double wheel hoe is preferred.

As a seeder it is practically the same as the Planet Jr. No. 4, and as a wheel hoe has the same steel frames and cultivating attachments as the Planet Jr. No. 12 Double Wheel Hoe.



## NO. 31 PLANET JR. COMBINED DRILL SEEDER AND SINGLE WHEEL HOE

Price, Complete, \$11.00. Packed weight, 30 lbs.

No. 32, As a Drill Seeder Only, \$8.75

Packed weight, 22 lbs.

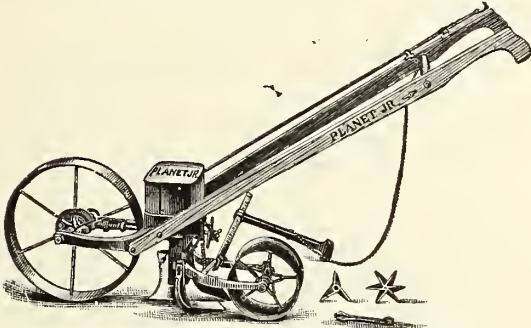
This new combined tool is of great value to thousands of gardeners who have never felt able to own, either a seed drill or a wheel hoe. It will sow even a small packet of garden seed with great precision in a narrow row from  $\frac{1}{4}$  to 2 inches deep. Quickly changed to a splendid wheel hoe. A special machine for the small gardener at a price he can afford to pay.



# Planet Jr. Garden Tools



These Wheel Hoes are the highest type of their class. They have a great variety of attachments which adapt them to a large variety of work, and there is scarcely any garden cultivation they will not do.



Holds 3 qts. of Seed. Weight, packed, 43 lbs.  
Price, \$15.50

## NO. 3 PLANET JR. HILL AND DRILL SEEDER

A favorite among onion growers, market gardeners and seedsmen.

The 15-inch driving wheel is steel, with heavy forged spokes, making the tool light and easy running.

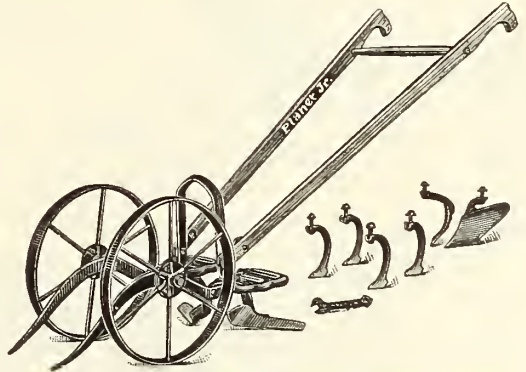
The opening plow is V-shaped, adjustable for depth, leaving the seed in a very narrow line, making close cultivation easy. The index is in plain view at top of handles and graduated for hills or drills.

The flow of seed is instantly started or stopped by the cut-off rod. No seed wasted at end of rows. Sows in large or small quantities in drills or in hills, 4, 6, 8, 12, 24 inches apart. Force feed.

## NO. 12 COMBINED DOUBLE AND SINGLE WHEEL HOE, CULTIVATOR AND PLOW

Straddles crops till 20 inches high, then can be worked between rows with one or two wheels.

The hoes are wonderful weed killers and leave the ground almost level. The cultivator teeth are of improved design and admirable for deep work. The plows are invaluable for opening furrows for manure, etc.; for covering and for plowing to or from the crop, \$10.50.



No. 12. 14-inch steel wheels. Steel frame.  
Price, \$10.50. Weight, 33 lbs.

## NO. 13 DOUBLE AND SINGLE WHEEL HOE

Price, \$7.25. Weight, 28 lbs.

This tool is the No. 12, with 6-inch hoes only, these being the tools that are most used.

## NO. 16 PLANET JR. SINGLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW \$8.50

Nos. 16, 17, and 18 have the same steel wheels, frames and handles, but the attachments sold with each vary.

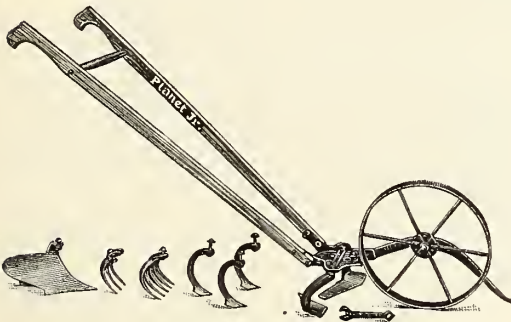
The handles are adjustable in height. The frame is steel, convenient and strong with quick change device by which to exchange the tools without removing the nuts.

## NO. 17 PLANET JR. SINGLE WHEEL HOE Price, \$7.00. Weight, 24 lbs.

The No. 17 has a pair of 6-inch hoes, a plow and a set of cultivator teeth, an outfit sufficient for most garden work.

## NO. 18 SINGLE WHEEL HOE Price, \$5.00. Weight, 19 lbs.

This has one pair of 6-inch hoes only—the tools that are most constantly useful throughout the season.



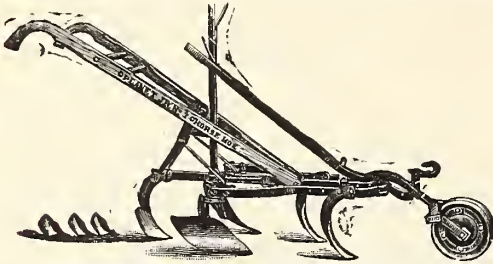
No. 16. Price, \$8.50. Weight 26 lbs.  
Steel Frame. 15-inch Steel Wheel.



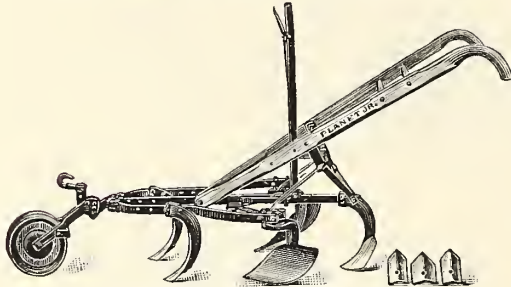
# Planet Jr. Tools



No other cultivating machine is so widely known as the Planet Jr. Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle.

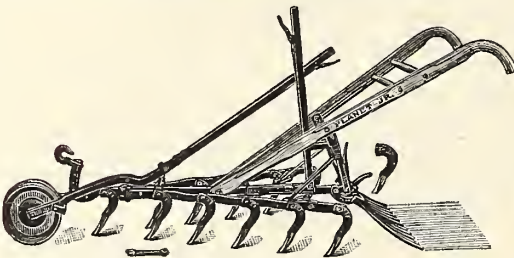


Price, \$16.00. Packed weight, 77 lbs. . .



Price, with Steel Wheel, \$14.50

## PLANET JR. TWELVE-TOOTH HARROW, CULTIVATOR AND PULVERIZER



No. 90, Complete, with Steel Wheel, \$17.00

Weight, packed, 74 lbs.

No. 90B, Without Pulverizer, \$14.00

No. 90D, Without Pulverizer or Wheel, \$10.75

No. 91, With Steel Wheel, \$12.50

Gardeners cultivate better than formerly and find it pays. The chisel-shaped teeth on this tool go as deep or shallow as you like, close to row, without injuring plants, cut out all weeds, stir the soil and mellow and fine it as with a garden rake. Any width from 12 to 32 inches. A special favorite with strawberry and tobacco growers, market gardeners, truckers and small fruit growers.

## NO. 7 PLANET JR. COMBINED HORSE HOE AND CULTIVATOR

Steel Wheel.

Opens and closes furrows, hoes right up to the plants without danger of injury, throws dirt to or from the row and throws back from centre again. Adjusts for any width. The teeth, made of beveled steel, specially hardened, retain their cutting shape and out-wear anything made. The steel wheel won't clog. The handles adjust up, down or side-wise.

## NO. 9 PLANET JR. COMBINED HORSE HOE AND CULTIVATOR

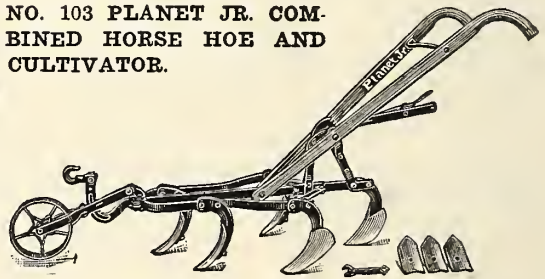
Weight, packed, 70 lbs.

This Horse Hoe is identical with No. 7, except that it has a plain wheel instead of lever wheel. It has the high frame, patented hollow steel standards, steel wheel, patent lever expander, and hollow steel wheel arms.

This tool has become popular because of its strength and lightness, easy change of width, and while not so handy as a tool with a lever wheel, it is a favorite.

The New Steel Wheel, having no spokes, will not clog with corn stalks, stones or other trash, and little or no sand or dirt can be carried up on the inside of the rim to drop on the bearings.

## NO. 103 PLANET JR. COMBINED HORSE HOE AND CULTIVATOR.

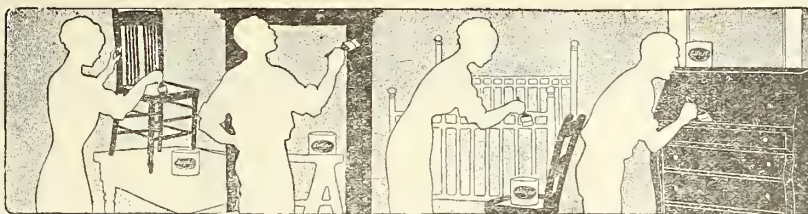


Price, \$13.00. Weight, packed, 60 lbs.

This admirable tool is new for 1916. The expander lever, instead of standing perpendicular, slants backward between the handles, so it can't get bent or broken, and won't injure crops under cultivation. Its weight adapts it particularly to use in light land, but it is strong enough for use everywhere, and is so simple in construction and has so few parts, it can't get out of order. The cultivator teeth are made of high carbon, beveled steel, and will retain their shape. The turning shovels are of special design, of elegant proportion and useful in connection with the shovel steel in throwing furrows, and afterwards covering them, and for plowing and hilling much or little as desired.



## MUZZY BROS. HOUSE PAINT



These paints are manufactured by experienced and practical workmen from compounded materials of intrinsic value as pigments, which are thoroughly mixed and ground together by improved machinery, producing a paint possessing superior durability, covering capacity and uniformity of shade.

We feel confident in stating that our Mixed Paints are cheaper to the consumer than white lead, because of their great spreading and covering capacity.

The colors are arranged on a card to show the most beautiful and durable shades for House Painting.

In general, two tints or tones of the same color produce the best effect. The body color should generally be a light tint, but for larger residences, hotels, etc., a medium color for the body, with a light tint for trimmings, will create pleasing results.

\$2.98 per Gallon.

## National Fence



National Farm Fence, 45-inch. Price, per Rod (by roll) 58 cents.

**NEW NATIONAL POULTRY AND RABBIT FENCE**  
 48-inch, Price, per Rod (by roll) 73c.      58-inch, Price, per Rod (by roll) 82c.



Six Tine Manure Fork, Strapped.



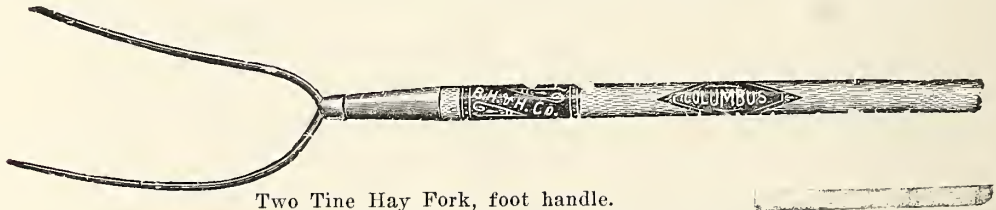
Five Tine Manure Fork, Strapped.



Four Tine Spading Fork, Strapped, Plain.



Five Tine Spading Fork, Strapped.



Two Tine Hay Fork, foot handle.



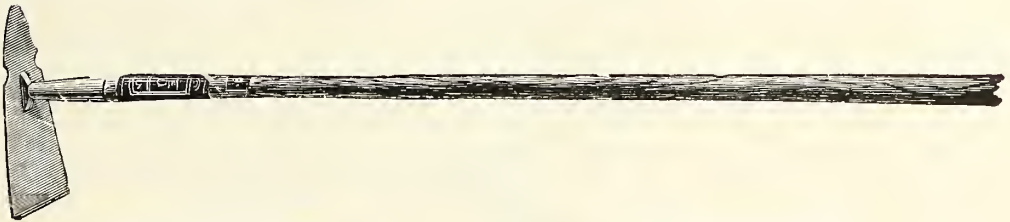
Three Tine Hay Fork, 5 ft. handle, plain, Strapped; 5½ ft. handle, plain, Strapped. Prices on Application.





Four Prong Weeding Hoe, Malleable.

Six Prong Weeding Hoe, Malleable.



One Prong Onion Hoe.

Two Prong Onion Hoe.



Four Prong Potato Hook.



Four Prong Potato Hook, Heavy.



Six Prong Potato Hook.



Socket Field Hoe, Riveted.



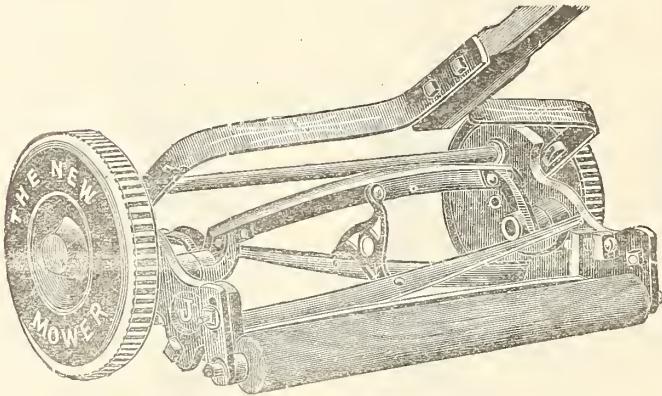
Four Tine Manure Fork, Strapped or Plain.

Prices on Application.

## LAWN MOWERS

All of our different styles of Lawn Mowers this year are made by the Philadelphia Lawn Mower Co., the largest and best manufacturers of Lawn Mowers in the World. Our cheapest as well as our most expensive Mowers being made by this firm, we are the Sole Agents in this section of the State.

### THE NEW PATERSON MOWER, \$5.48, All Sizes.

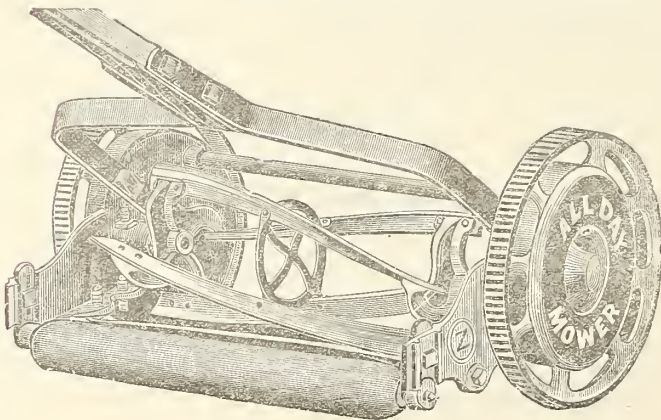


The new Paterson Lawn Mower, 3 blades. Height of driving wheels, 8 inches. Diameter of cylinder, 5¼ in. Geared on both wheels. This is the best cheap mower on the market.

### THE MUZZY LAWN MOWER, \$7.48, All Sizes.

The Muzzy Lawn Mower, 4 blades, height driving wheels 9 inches. Geared on both wheels. Does good work and superior to many of the so-called first class Mowers.

### MUZZY HIGH WHEEL MOWER.



The Muzzy High Wheel Mower, 4 blades, 10 inch wheel.

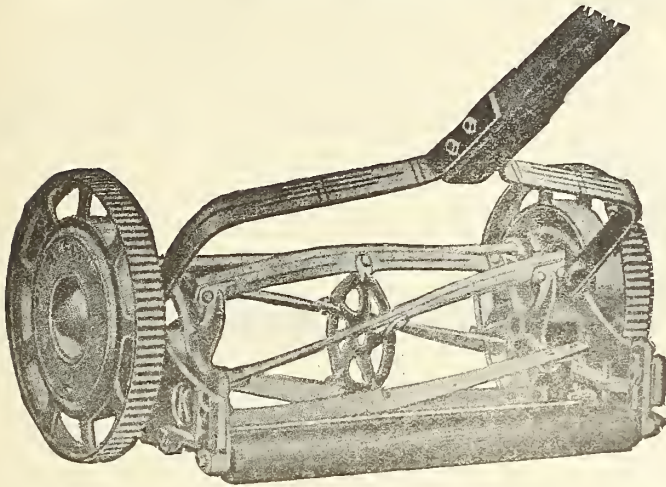
**Most Popular Ever Made.**

Its construction is superior to all others of a like kind.

#### Prices

14-inch	.....	\$ 9.48
16-inch	.....	9.98
18-inch	.....	10.48





**Philadelphia Mower**

Style K

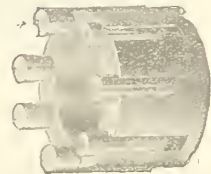
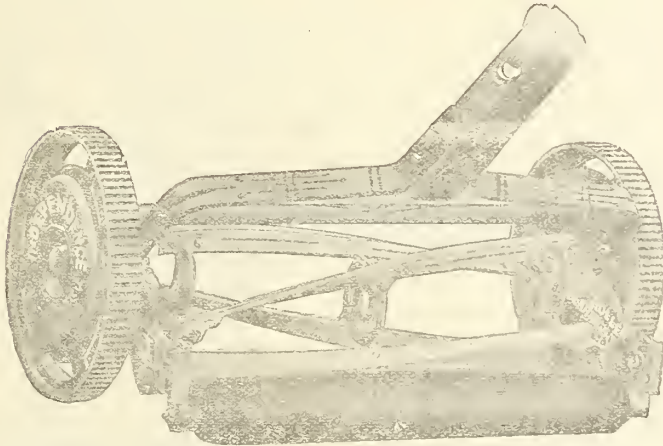
5 blades, 10 inches wheel.

Best Mower made

Prices:

14 inch .....	\$13.98
16 inch .....	\$14.98
18 inch .....	\$15.98
20 inch .....	\$16.98

**“MUZZY” ROLLER-BEARING MOWER**



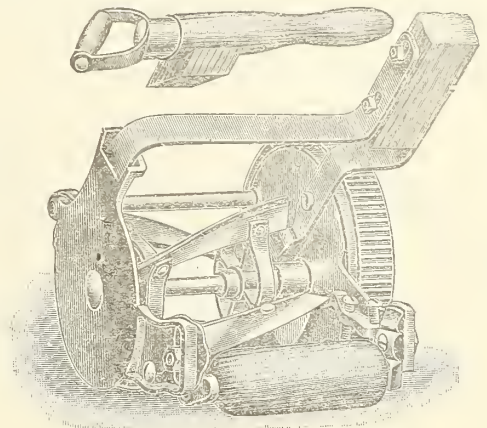
“Muzzy Roller Bearing” Mower.....	14-inch	16-inch
	\$9.98	\$10.48
4 Blades, 8-inch Wheel, Roller bearings.		
“Muzzy Roller Bearing” Mower, “High Wheel,”.....	16-inch	18-inch
	\$11.93	\$12.48
4 Blades, 9-inch Wheel, Roller bearings.		

**LAWN TRIMMER**

For trimming around walks, flower beds, trees, posts, monuments and shrubbery, and all places that cannot be reached with any lawn Mower.

Cuts within ¼ of an inch of the edge.

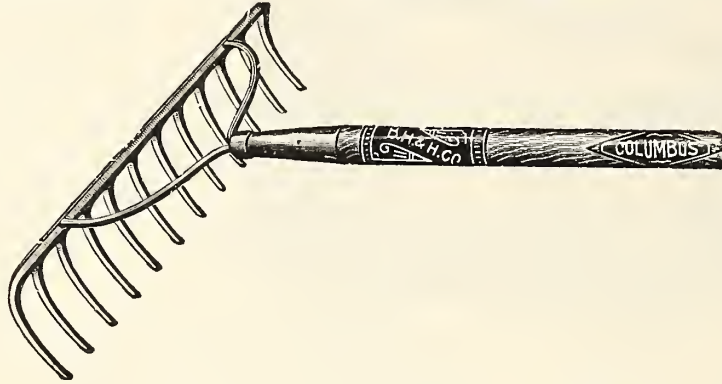
Price, \$6.50



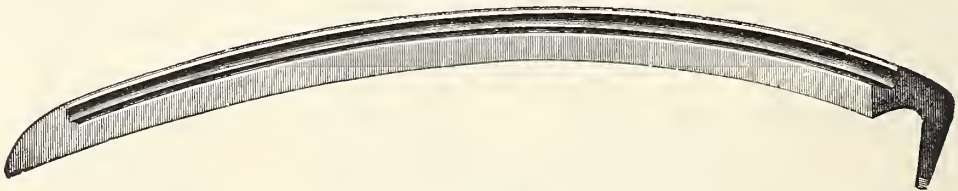
## RAKES AND SCYTHES

### LAWN RAKES

3 Bow Lawn Wood Bows.....	\$0.40	10 Tine Malleable Rake.....	\$0.25
Wire Lawn Rakes.....	.40	12 Tine Malleable Rake.....	.30
3 Bow Lawn Wire Bow.....	.45	14 Tine Malleable Rake.....	.35



	Plain	With Bow Brace
10 Tine Cast Steel Rake.....	\$0.60	\$0.65
12 Tine Cast Steel Rake.....	.70	.75
14 Tine Cast Steel Rake.....	.75	.80
16 Tine Cast Steel Rake.....	.80	.85



### SCYTHES

Blood's Ribbed Back. Nothing better.....	\$1.50
Blood's Plain Back, Polished.....	1.25
German.—A high grade Scythe at a low price.....	Price on application
English Lawn. An elegant tool for fine work.....	Price on application
Bush Scythes. For rough work.....	\$1.50
Snaths. Patent, Plain and Bush, Scythe Stones and Rifles in variety.....	
Floral Sets, consisting of Hoe, Spade and Rake.....	10c, 25c, 39c, 75c 1.00
Trowels.....	5c, 10c, 15c, .25
Strawberry or Pruning Forks.....	.5c, 10
Fruit Pickers. Do not bruise fruit.....	.40
Excelsior Weeder.....	.05
Grafting Wax.....	¼ lb., 10c; ½ lb., 20c; 1 lb. .35



English Grass Hooks

35c and 40c



Pruning Shears

25c, 40c, 65c and 85 cents.

Dibble, Iron or Wood handle.....30c and 35c

This tool is indispensable for planting small roots and plants; once tried the gardener will never dispense with it.



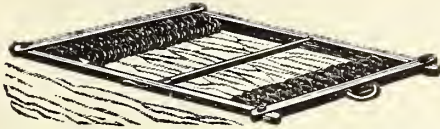
Garden Syringe, 50c and upwards



Pruning Saws

75 cents.





**THE MEEKER SMOOTHING HARROW.**  
Perfect Harrow and a Perfect Land Roller  
Combined.

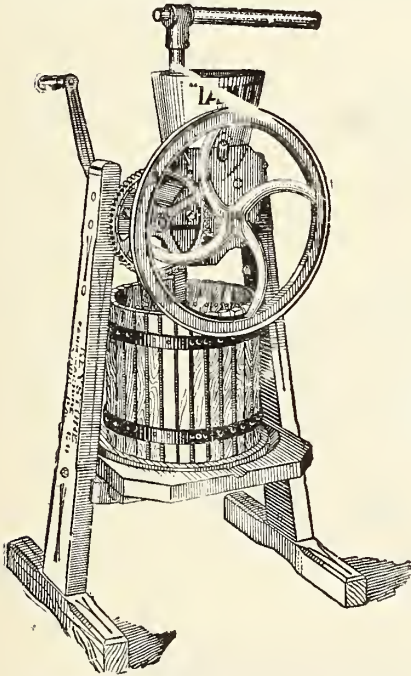
This harrow has become a great favorite among all classes of farmers and market gardeners in all parts of the country.

It has two sets (four) of rollers containing 58 steel disks.

These disks grind all lumps and save the work of raking, and also mash small stone below the surface better than any field roller, leaving the land smooth and level.

The disks of one roller work between those of the other, preventing clogging in damp soil. The board in the center is set at an angle, is adjusted up or down and serves as a leveler.

Regular size, 6 ft. 8 in. by 6 ft. with 8 in. disks, \$25.00. Weight, 200 lbs.



PRICE \$13.98

**APPLE AND GRAPE GRINDERS**

No. 11 .....	\$4.50
No. 22 .....	7.50
Wizard .....	9.98

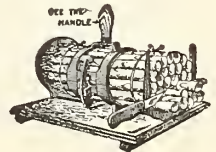
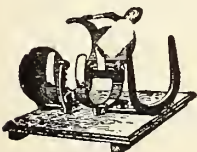
**CIDER MILLS**

Junior .....	\$22.00
Medium .....	25.00
Senior .....	35.00

**ACME ASPARAGUS BUNCHEE.**

A greatly improved pattern with knife guide and adjustable head piece for regulating the length of the bunch. This is the latest pattern, 1907 patent.

Price.....\$2.48



**NORCROSS.**  
Cultivator-Hoes and Weeders



re among the most modern tools for garden and flowers.

They are light and strong and cultivate closer to plants without injuring them than any other kind of implement, leaving the soil level, loose and untrampled.

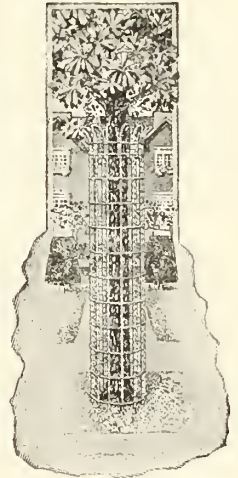
Cost but little more than the common hoe—accomplish much more and better work with less labor.

Price. 75c.

**TREE GUARDS.**

Made 6 feet high of heavily galvanized wire, in 9, 12 and 15 inch diameters.

Ready for setting up by clasping the hooked ends. Furnished with spiral spring, which attaches to tree and prevents rubbing or bruising of the bark. Protects without shading or otherwise injuring the tree.



**THE "I AM IT" CIDER MILL.**

A combined Mill and Press with geared cylinder, and adjustable concave, so that grinding can be done, as desired either coarse or fine. It will grind apples at the rate of one-half bushel per minute. It is a Self Feed—you need not poke the apples to the grinding disc.

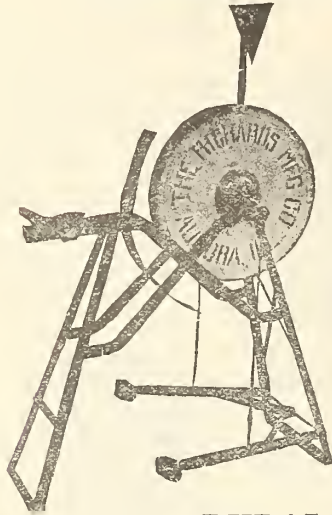
Price, \$13.98

**Wine and Cider Presses.**

**Diameter of Tub.**

No. 1 10-in. ....	\$5.98
No. 2 12-in. ....	6.98
No. 2½ 13½-in. ....	8.48
No. 3 15-in. ....	10.98

## CYCLE BALL-BEARING STEEL FRAME GRINDSTONE



Solid Steel Frame with Seat, \$4.48

Stone 19 to 22 inches, 2 to 2¼ inches thick. Best Quality Berea Grit. Front legs formed of one piece heavy steel angle. Rear legs formed of one piece heavy steel angle. Upper frame is constructed to form a brace for legs, making most rigid frame possible. Built on up-to-date mechanical principles.

Weight 85 lbs.

Price .....\$5.98

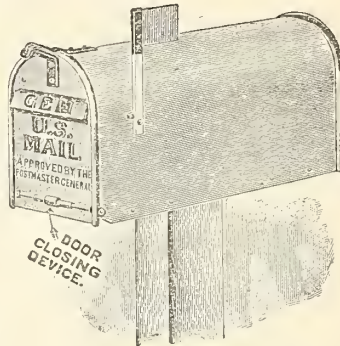
Price with Cycle Pipe Frame..... 6.48

## RURAL GEM NO. 4, With Self-Closing Door

Approved by Postmaster General

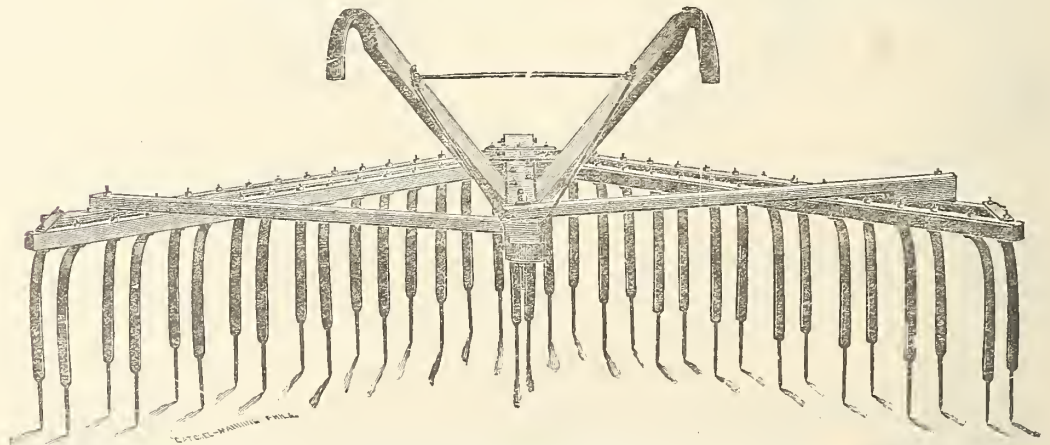
### Description

Made from 22-ga. galvanized steel; absolutely storm-proof; the door is hinged at the bottom and yet is kept constantly closed by a spring hinge—cannot carelessly be left open nor blown open by the wind; has a large flag, visible for a long distance and easily operated; has



inside letter and penny holder; has a drop-letter hole in door; has substantial steel padlock-hasp; words "U. S. Mail" and "Approved by Postmaster General" are embossed in door and will remain as long as the box lasts; finished in weather-proof bronze; fully one inch taller than most boxes of this style ..... \$1.50

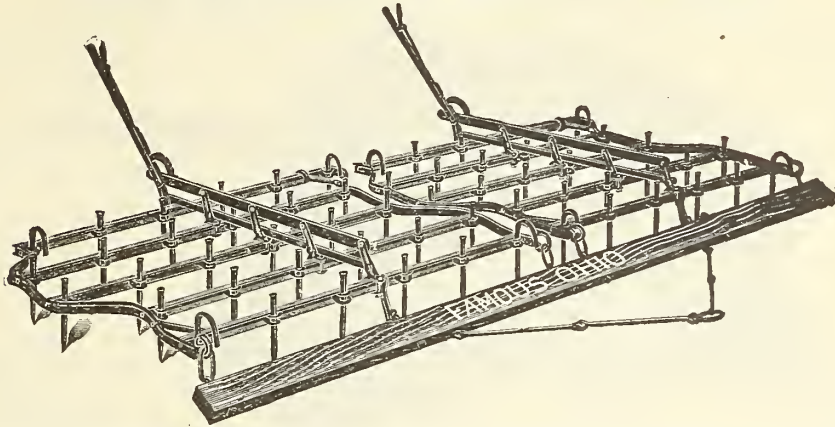
## KEYSTONE ADJUSTABLE WEEDER



Keystone Adjustable Weeder, expands to 7 feet, Best Weeder made, every one guaranteed. Try one, it will increase your crops.

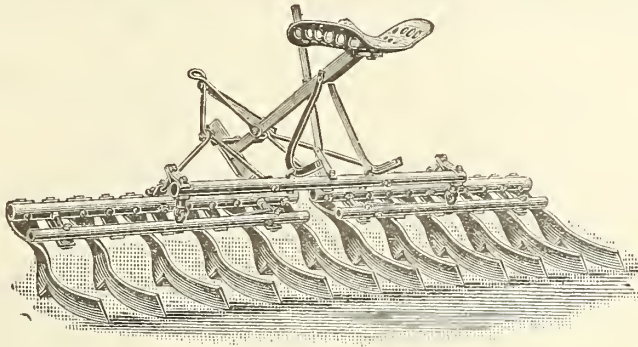


**OHIO SPIKE TOOTH HARROW - 60 Teeth**



The U-bars, channels, oscillating bars and teeth, are made of high carbon steel, precluding all possibility of bending. The channels, being placed at the ends of the U-bars, prevent them from catching on obstructions as is frequently the case with the open end harrow. Strong and well made but carrying no superfluous weight. Corner braces, oscillating castings and lever castings of malleable iron. Made in one 30 tooth section, and with 5-8 teeth, \$14.98, or in Two 30 tooth sections, with 5-8 teeth, \$27.00.

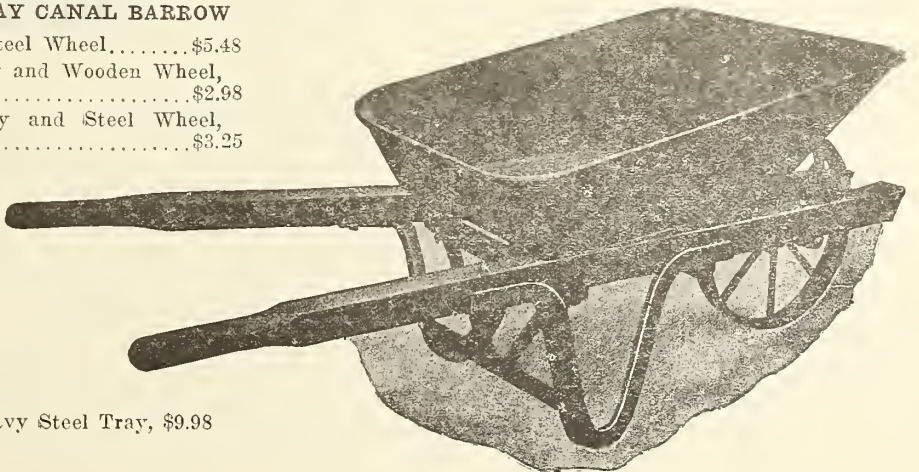
**ACME HARROW, Pulverizing Harrow, Clod Crusher and Leveler**



No. 11 Price, one horse.....\$26.40 No. 23 Flexible, Price.....\$38.00

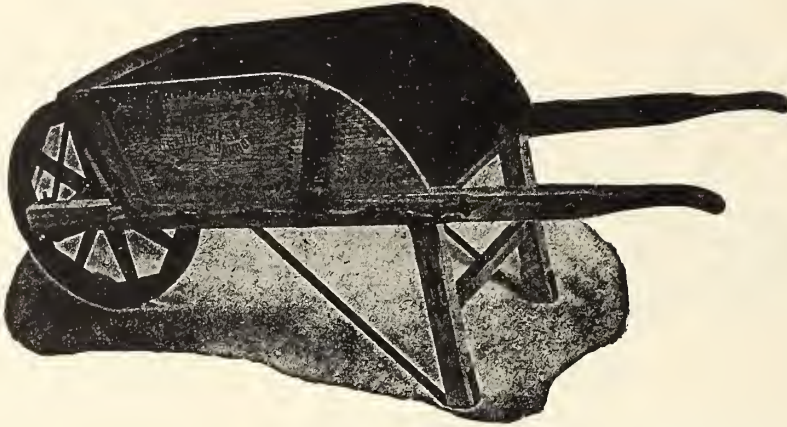
**STEEL TRAY CANAL BARROW**

Price with Steel Wheel.....\$5.48  
 Wooden Tray and Wooden Wheel,  
 bolted .....\$2.98  
 Wooden Tray and Steel Wheel,  
 bolted .....\$3.25



Extra Heavy Steel Tray, \$9.98

## DUTCHESS BOLTED GARDEN BARROW



	Wood Wheel	Steel Wheel
No. 2 B. ....	\$3.75	
No. 3 C. Medium size.....	4.25	\$4.75
No. 4 D. Large size.....	4.75	5.25
No. 5 E. Extra Large.....	5.50	6.00

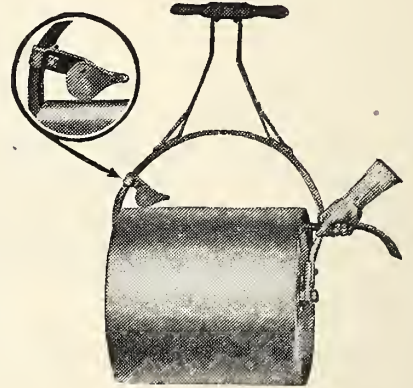
## DUNHAM ROLLER BEARING LAWN ROLLER

Water Filled

Length and Weight precisely as listed

Rollers are smooth on face and aluminum finish, outer edges rounded to avoid cutting up the lawn.

No.	Diameter Inches	Length Inches	Sections	Pounds	Price
W. B. 3	14	20	1	160	\$11.98
W. B. 5	18	24	1	300	13.98
W. B. 7	24	24	1	500	16.98
W. B. 11	18	24	2	300	19.00



## Insecticides and Remedies for Plant Diseases



**Lemon Oil-Insecticide.** This well known article is in general use all over the country for destroying Scale, Mealy Bug, Greenfly or Alphis-Ant-Thrip-Caterpillar, etc. on Rose Bushes, Palms, Rubber Plants, etc. Dilute with water 30 to 50 parts.

Half pt., 35c; pt., 60c; qt., 98c; half gal., \$1.50; gal., \$2.50

**White Helleboro.** An excellent remedy against currant worms, rose slugs, caterpillar, etc. Can be used either dry or in water, ¼ lb. 20c, ½ lb. 35c, 1 lb. 65c.

**Whale Oil Soap.** One of the most effective agents used for destroying scale, bug, plant, lice and all other insects, injurious to vegetation.

Price, 1 lb. box, 30c.

**Lime and Sulphur Solution for San Jose scale** 1 gal. makes 15 by adding water. 1 qt., 35c; 1 gal., 75c; 5 gal., \$3.00; ½ bbl. (30 gal.) 30c gal.; 1 bbl. (50 gal.) 25c gal.



**INSECTICIDES AND REMEDIES FOR PLANT DISEASES, Continued.**

**CATTLE CONTENT.** It is a thorough disinfectant and germicide. Protects horses and cows from the torture of flies. The **Lightning Insect Exterminator No. 1** discharges the preparation in a fine, broad spray, without waste and using but very little. Fifty cows can be sprayed in a few minutes. Price.....\$1.00 per gallon.

**SCALECID.** It will positively destroy all soft-bodied, sucking insects, including all forms of the dreadful "Scale." It is simple, cheap, easily applied and wonderfully effective. Endorsed by government experiment stations, agricultural schools and thousands of fruit growers.



**ARSENATE OF LEAD FOR POTATO BUGS**

Paste

Its great advantages are that it adheres well to the foliage and spraying does not have to be repeated, as it does not readily wash off by rain. 7 lb., 40c.

Dry

1 lb. ....55c

**PLANTLIFE.** The Best Insecticide on the Market. Destroys Mealy Bug, Brown and Green Scale, Black and Green Fly, Thrips, Red Spider, etc. 1 lb. 20c.

**BLACK-LEAF 40.** A concentrated solution of nicotine sulphate; an excellent spray for black aphides and sucking insects of all kinds. Dilutes one part to 900 or 1,000 parts of water, according to treatment. Full directions on each package. 1-oz. bottle 25 cts., 1/2-lb. tin 75 cts., 2 lbs. \$2.50, 10 lbs. \$10.75.

**BORDEAUX—ARSENATE OF LEAD.** A combination in proper proportions of the standard insecticide and fungicide remedies, thus killing insects and eliminating fungus plant diseases at one spraying and accomplishing the objects in half the time required to spray on separately. Paste, 1 lb., 30c; 5 lb., 25c; 10 lb., 22c.

**BORDEAUX MIXTURE OR FUNGIROID—**For all fungous diseases, such as mildew and the various rots of the grade. Full directions on label. Paste, 1 lb., 25c; 5 lb., 20c; 10 lb., 18c. Dry, 1 lb., 38c; 5 lb., 35c; 10 lb., 30c.

**PYROX.** The best and safest all-round spray for all insects, blights and fungus troubles. Kills Potato bugs. Sticks like paint. 1 lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.50; 25 lbs., \$5.75.

**ROSE NICOTINE—**Insect and Parasite Destroyer for Insects, Lice on Flowers, Plants, Fruits, Trees, Vegetables, Human Body, Dogs, Cats, Fowls, Earth Worms, Ants, also any House Bug or Vermin. 20c lb.

**CUT WORM FOOD—**It is simple and easy to use. It consists of a material that is more delicious and is much more preferred by the CUTWORM than the plants themselves. It is sprinkled on the ground around the plant just as it is found in the package. Price 35c.

**TREE TANGLEFOOT.** A paste preparation for painting around the trunk of trees, in the form of a band. Caterpillars and other crawling pests cannot go over it. Lb., 50c; 3 lb. can, \$1.45.

**WEEDICIDE.**—Kills grass and weeds of every kind on roadways, gutters, tennis courts, etc., by one application. Price, 50c. qt.

**GRAFTING WAX.** A wax manufactured specially for grafting trees, bushes, shrubs, etc. 1/4 pkg., 10c; 1/2 lb. pkg., 20c; 1 lb. pkg., 35c.

**Sulphur, Powdered—**A remedy for insects of all kinds, both by itself and in combination with other remedies. Market rates.



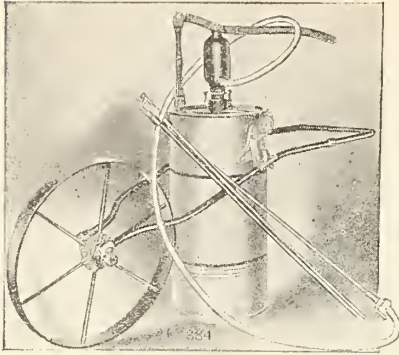
**Hammond's Slug Shot—**An insecticide for the destruction of Potato and Rose bugs, and all Lice, Worms or caterpillars upon Melons, Egg, Cucumber, Cotton, Tobacco and Cabbage plants, Tomato Currants, Fruit or Ornamental Trees, Grape Vines, Shrubs and Flowering plants, 1 lb. 15c; 5 lb. pkg., 45c.

**Strictly Pure Paris Green—**Market price,

**Double Ground Land Plaster—**Per 100 lb. bag, 90c.

**Sulpho Tobacco Soap 10c. & 20c.**

## THE AUTO No. 40 WHEEL SPRAYER

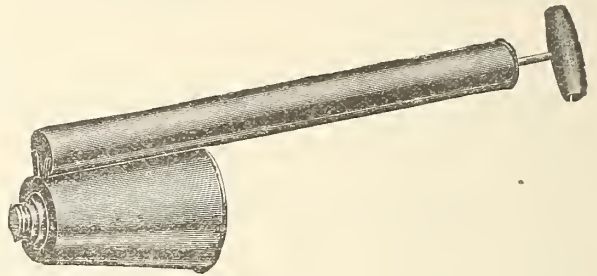


Applies, in a mist-like spray, all fluid insecticide and fungicide solutions on garden crops, ornamental plants, shrubs and low trees; also useful for whitewashing, applying sheep dip, fly oils, etc. It is a most convenient, large capacity, Auto Sprayer, fitted to a tubular iron frame with 20-inch wheel, so that it is as easily moved about as a wheel-barrow. The tank of heavy galvanized steel or brass (as may be selected) holds the spray solution and the compressed air pump with which the operator keeps up a continuous and uniform spray. The machine is furnished with 8 ft. of high pressure spray hose with connections in 8 ft. iron extension pipe with lever "shut-off" for tree spraying and the latest pattern Vermorel nozzle, which fits either the hose or pipe. Price, with 12 gal. galvanized steel tank, \$20.00.

## LOWELL GRAND SPRAYER FOR LIQUID

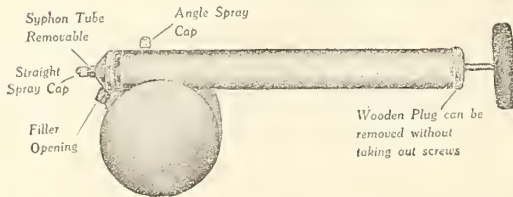
### DESCRIPTION.

Tapered cylinder reservoir, 4 inch bottom, 3 inch top, 1½ inch pump cylinder, 20 inches long. Plunger rod bright steel. Plunger our special make. Two brass solution or spray tubes. One inch zinc can screw for filling. Strong and durable in construction. Each sprayer is tested for leaks and perfect spray. Capacity of tank one quart. Aluminum finish. Galvanized Steel, 75c.



Lowell Baby Midget Sprayers for Liquids, 35c.

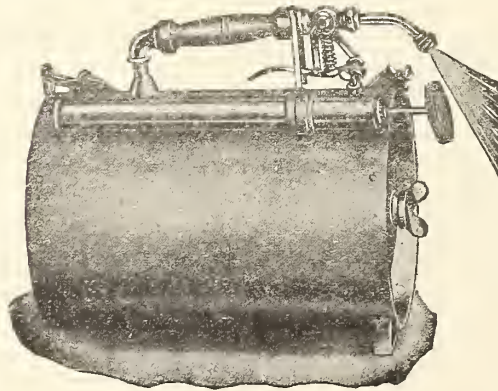
## BROWN'S CONTINUOUS SPRAYER



The Brown Continuous Sprayer, as the name implies is so constructed that it not only sprays on the downward stroke of plunger but also when it is drawn back, thus causing a continuous mist-like spray.

Brass Lacquered, \$1.00.

## THE LOWELL FOUNTAIN COMPRESSED AIR SPRAYER



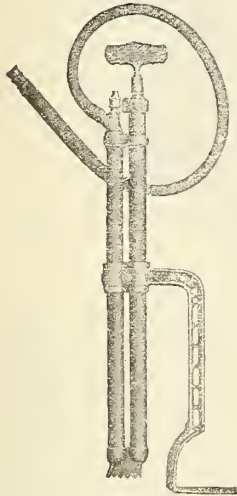
One pumping will expel entire contents of tank and is sufficient to spray 2,000 plants. Spraying nozzle may be reversed to spray under side of bushes and plants. Automatic Thumb Lever Valve it at all times under complete control of operator, hence none of the solution is wasted. It saves its cost in making a given amount of compound do so much more work. An Adjustable Shoulder Strap and Tree Attachment with suitable coupling for orchard and tree spraying, furnished with each machine. Aluminum finish. Capacity, 3 gallons. Price, Galvanized, \$6.48; Brass, \$8.98.



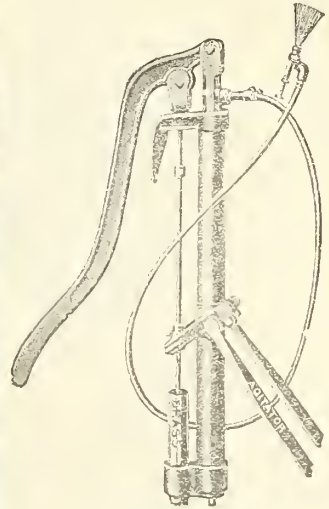
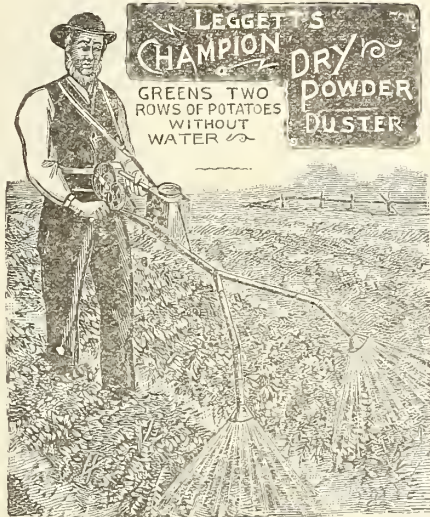
## "LIGHTNING" WHITEWASH SPRAYER

This is the only Spray Pump that will properly spray whitewash without clogging. It is constructed of heavy galvanized iron, with brass tops and valves. Large air chambers and ball valves, the pressure maintaining a continuous stream or spray not affected by the upward stroke. Can also be used for washing windows, buggies and sprinkling lawns, flowers, etc.

Galvanized Iron, \$2.98; Brass, \$4.25.



**AUTO SPRAY NO. 2.**  
All Brass Whitewash General Purpose Sprayer.  
Price, \$4.50.



**PUMP NO. 25 FOR BARREL USE**  
PRICE, \$12.98

## BROWNS AUTO SPRAY NO. 1



The Auto-Spray No. 1 is the standard of all compressed air sprayers. It is the strongest and most simple in its working parts of any similar machine. Self operating. Two pumpings of a few strokes on the plunger will discharge the contents under high and constant pressure. After pumping, the operator has only to direct the spray.

**Uses.** For spraying trees, shrubs, vines, field crops, in the greenhouse, poultry house. For applying disinfectants and cattle-fly oils. Will handle all solutions, including whitewash and cold water paint.

Price, Galvanized, \$6.75

Brass, \$10.00



## Measuring Rods.

FOR MILK CANS

Metal .....	50c
Wood .....	35c

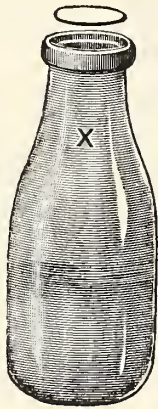
Dairy Thermometers, 15c each.

Lactometers, approved by the N. Y. Board of Health, to test the quality of Milk, 50 each.

Long Handle Measure for Milk Cans, 1 pt. 15c; 1 qt. 18c.

# DAIRY and MILKMEN SUPPLIES

## MILK BOTTLES



### No. 2 Common Sense

1 qt., doz. 80c	Gross \$8.00
1 pt., doz. 70c	Gross 7.00
½ pt., doz. 60c.	Gross 6.00

In 3 gross lots we print name on bottle no charge for printing except the plate, in 10 gross lots we furnish the plate free.

## Milk Bottle Boxes

1 qt. size holds 12 bottles 7-8 inch with cover \$1.25 and \$1.39

1 qt. size holds 12 bottles, without cover, 75c  
 1 qt. size holds 12 bottles, 1 inch thick without cover, 89c.

1 pt. size holds 24 bottles with cover, \$1.39

## Milk Bottle Carriers

### TINNED WIRE

6 1 qt. bottles, 89c; 8 1 qt. bottles, \$1.25; Galvanized iron wire, 6 qt. flat wire, \$1.25; 8 qt. flat wire, \$1.50.

### GALVANIZED FLAT WIRE HEAVY

## Dairy Men's Cleaner and Cleanser for Milk Bottles

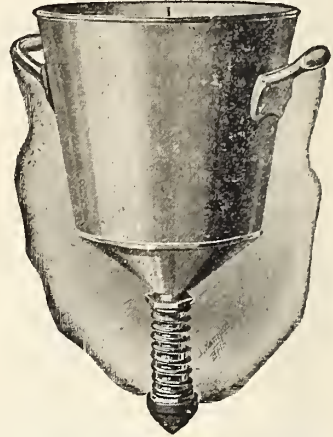
It is also a perfect sanitary cleanser for use in the home or on the farm, for washing dishes, glass, refrigerators, pots and pans, milking utensils, floors, baths, toilets, etc. 5 lb., 25c

## Milk Pans

Tin 10c. to 15c., Enamelled Ware 15c. to 35c. Milk Bottle Brushes, 10 to 50c. Milk Can Brushes 5c to 25c.

**MILK STRAINERS, 25c and up.**

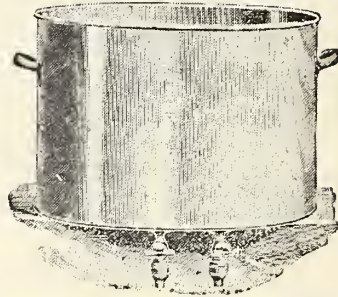
## Milk Bottle Filler.



Works Easily and Quickly. Guaranteed. \$6.98.

## MILK BOTTLE FILLERS.

Sensible .....\$6.50



It is sensible because it is simple, no levers, no springs, just a heavy tin tank made of I X X X X C o o k l e y K Charcoal tin plates, holding 60 quarts, and with two faucets in the bottom. T h e s e

remove any particles which may have remained in the milk, and cause the streams to flow in smooth, even columns.

We have built the Sensible so strong and heavy that it will last a life time. You can find no more sensible way to fill your bottles. Price, \$6.50

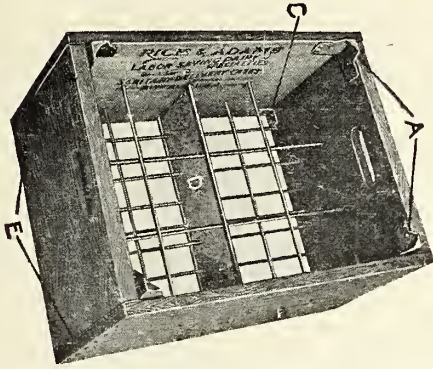
## Milk Pails



One quart to twenty quarts



DAIRY AND MILKMEN SUPPLIES Continued



**R. & A. Unbound Sanitary Delivery Cases.**

Patented Nov. 7, 1905

The weight of unbound cases is about three pounds less than bound cases, and for this reason they are preferred by many dealers. This style is made with or without bottom corner irons. Pressed galvanized steel stacking corner irons are always included.

- A-Heavy stacking corner iron.
- C-Bottom corner iron.
- D-Galvanized steel support.

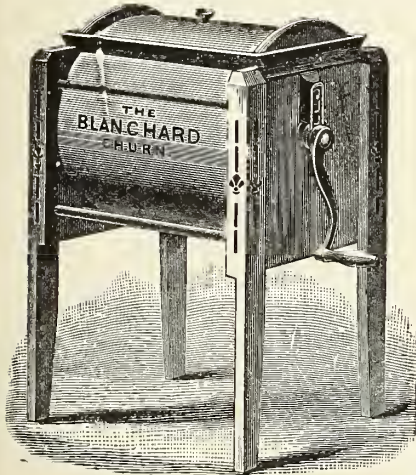
The bottles are always held in correct position to be filled and capped, as the galvanized steel support "D" keeps the long wires from sagging.

- 1 qt. size (12 bottles).... Prices on
- 1 qt. size (16 bottles).... Application

**Dairy Pail**

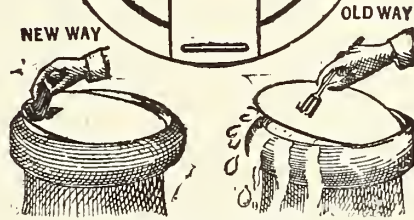
With Strainer, 25c to \$1.25; Without Strainer 25c to 45c.

**The Blanchard Churn**



**Price List Family Sizes**

No.	Will Hold	Price
3	4 gals.	\$ 6.50
4	8 gals.	7.50
5	16 gals.	9.50
6	24 gals.	10.50
7	32 gals.	12.50



**MILK CAPS.**

New Seamless Pull Cap.  
 Heavy Waxed, Printed.  
 New Lip Cap, lip will not pull off.  
 Prices on Application.  
 Name and address printed free on lots, 50 M.

**Milk Cans**

Iron Clad Milk Cans, best can manufactured, 20 qts., \$5.50; 30 qts., \$6.25; 40 qts., \$7.50.



**The Cylinder Churn**

**The Lightning Churn**



No. 0.	\$2.75
No. 1.	3.00
No. 3.	3.75
No. 3.	4.00
No. 4.	4.50

No.	Will Hold	Price
0	4 gals.	\$3.25
1	6 gals.	3.75
2	8 gals.	4.25
3	10 gals.	4.75

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# Foreign Names of Vegetables and Herbs

ENGLISH	GERMAN	FRENCH	ITALIAN	HOLLAND
Anise .....	Anis, Grvener .....	Anis .....	Anaso, Anaclo .....	Anijs .....
Artichoke .....	Arrischocke .....	Artichaut .....	Articiocca .....	Artisjok .....
Asparagus .....	Spargel .....	Asperge .....	Sparagio .....	Aspersie .....
Balm .....	Citronen Melisse .....	Melisse citronelle .....	Mellissa .....	Citroen Melisse .....
Basil .....	Basilikum .....	Basilic grand .....	Basilico .....	
Beans .....	Bohnen .....	Haricots .....	Fagiuoli .....	Boonen .....
Beet .....	Ruebe .....	Betterave .....	Barbabetola .....	Bieten .....
Borage .....	Boretsch .....	Bourrache .....	Boragine .....	
Broccoli .....	Spargelkohl .....	Chou Brocoli .....	Cavol brocolo .....	
Brussels Sprouts .....	Rosekohl .....	Chou de Bruxelles .....	Cavolo agermaçlia .....	Spruitkool .....
Cabbage .....	Kopfkohl, Kra. ....	Chou pomme .....	Cavolo cappuccio .....	Slutkool .....
Cabbage Savoy .....	Wirsing .....	Chou de Milan .....	Cavolo di Milano .....	Savooikool .....
Caraway .....	Feld Kuemnel .....	Chum des press. ....	Carvi .....	Karviik .....
Carrot .....	Carroten, Moehren .....	Carotte .....	Carato .....	Wortelen .....
Cauliflower .....	Blumenkohl .....	Chou-fleur .....	Covolo-flore .....	Bloemkool .....
Celery .....	Sellerie .....	Clerie .....	Sedano .....	Seiderij .....
Celeriac .....	Knoll-Sellerie .....	Celere-rave .....	Se ana rapa .....	Knolse erjl .....
Chervil .....	Kerbet .....	Cerfeuil .....	Cerfoglio .....	Kervil .....
Chicory .....	Chicoerien wurzel. ....	Chicoree sauvage. ....	Cicoria Wselvatica .....	
Coriander .....	Coriander .....	Coriandre .....	Coriandorio .....	Korlander .....
Corn Salad .....	Feldsalat .....	Mache .....	Valeriana .....	Velesia .....
Corn .....	Mais .....	Mais .....		
Cress .....	Garen Kresse .....	Cressen alenois .....	Agretto .....	Tunkers .....
Cress, Water .....	Brunnen Kresse .....	Cressoudefontaine .....	Nasturzio .....	Waterkers .....
Cucumber .....	Gurken .....	Concombre .....	Cotriolo .....	Komkomer .....
Dandelion .....	Loewenzohle .....	Pissenlit .....	Dente di leone .....	
Dill .....	Dille .....	Aneth .....	Aheto .....	
Egg Plant .....	Eier Ffano .....	Aubergine .....	Pentonciano .....	
Endive .....	Endiven .....	Cicorce-Endive .....	Indivia .....	Andijve .....
Fennel .....	Fenchel .....	Fenouli .....	Finnocchio .....	Nedkel .....
Garlick .....	Knoblauch .....	Ali .....	Agho .....	Knoflook .....
Horse Radish .....	Meer Rettig .....	Panifort sauvage. ....	Rafano .....	Peperwortel .....
Evsop .....	Isop .....	Hyssope .....	Issopo .....	Hijsoop .....
Kale .....	Blaetterkohl .....	Chou-vert .....	Cavolo verde .....	Boerkool .....
Kohlrabi .....	Knolkohl .....	Chou-rave .....	Cavolo rapa .....	Kohlrabi .....
Lavender .....	Lavendel .....	Lavende .....	Lavada .....	
Leek .....	Porre Lauch .....	Poireau .....	Porro .....	Prei .....
Lettuce .....	Lattich Kopfsalat .....	Laitue .....	Lattuga .....	Kropsla .....
Marjoram .....	Marjoram .....	Marjolaine .....	Maggiorana .....	Marjolijn .....
Melon .....	Melone .....	Melon .....	Ponone .....	Meleon .....
Melon, Water .....	Wasser-Melone .....	Melon d'eau .....	Cocamera .....	
Mushroom .....	Schwamm .....	Champignon .....	Fungo pratajole .....	Kampernoelle .....
Nasturtium .....	Kupuciner Kresse. ....	Capucine .....	Nasturzio .....	Capucine-kers .....
Okra .....	Ocher .....	Gombeud .....	Ibisco .....	
Onion .....	Zwiebel .....	Ognon .....	Cipollo .....	Ci Uien .....
Parsley .....	Zatersille .....	Persil .....	Prezzemolo .....	Peterselit .....
Parsnip .....	Pastinake .....	Panals .....	Pastinaca .....	
Peas .....	Erbsen .....	Pois .....	Pisello .....	Pinksternadel .....
Pepper .....	Pfeffer .....	Piment .....	Peperone .....	Erwten .....
Pumpkin .....	Melonen-Kuerbiss. ....	Potiron .....	Zucca .....	Spaansch Peper .....
Radish .....	Radies .....	Rdsis .....	Ravanello .....	Radijs .....
Rhubarb .....	Rhabarber .....	Rhubarbe .....	Rabarbaro .....	Rabarber .....
Rosemary .....	Rosmarin .....	Romarin .....	Rosmorino .....	Rosemarijn .....
Rue .....	Raute .....	Rue .....		Wijnaut .....
Saffron .....	Safran .....	Safran .....	Rafferano .....	
Sage .....	Sadel .....	Sauge .....	Salva .....	Salle .....
Salsify .....	Haferwurzle .....	Salrifis .....	Barbarli becca .....	
Sorrel .....	Sauerampfer .....	Oscille .....	Aeetosa .....	Zuring .....
Summer Savory .....	Bohenkraut .....	Sarriette annulle. ....	Santoreggia .....	Boonenkruid .....
Spinach .....	Spinat .....	Epinarde .....	Spinaccio .....	Spinazle .....
Squash .....	Kuerbijs .....	Courgei .....	Zucca .....	Pompeon .....
Tansy .....	Gemeiner-rainfarn .....	Tanaisle .....	Atansia .....	
Thyme .....	Thymian .....	Thym .....	Timo .....	Tijm .....
Tomato .....	Liebessapfel .....	Pomme d'Amour .....	Pomo d'oro .....	Tomaat .....
Turnip .....	Weisse-Reube .....	Nevet .....	Navone .....	Rapen .....
Wormwood .....	Wermuth .....	Absinthe .....	Assenzio .....	Suikerij .....

## PLANTING CALENDAR

**FEBRUARY**—Sow in Hot Bed. Early Beans, Cabbage, Cauliflower and Celery, Carrot, Broccoli, Cucumber, Lettuce, Parsley, Radish, Tomato.

**MARCH**—Sow in Hot Bed. Early Beets, Beans, Cabbage and Carrots, Broccoli, Brussels Sprouts, Cauliflower, Celery, Cucumber, Egg Plant, Kohlrabi, Lettuce, Melon, Parsley, Peas, Pepper, Radish, Aomato. Plant in Open Ground. Beet, Early Cabbage, Carrot, Cress, Lettuce, Onion, Peas, Radish, Round Spinach, Early Turnip, Potatoes, Onion Sets, English Bean.

**APRIL**—Sow in Hot Bed. Sweet Corn, Cucumber, Egg Plant, Melon, Pepper, Squash, Tomato. Plant in Open Ground. Asparagus, Beets, Broccoli, Brussels Sprouts, Early Cabbage, Carrot, Cauliflower, Celery, Cress, Kale, Kohlrabi, Lettuce, Melon, Onion, Parsley, Peas, Radish, Round Spinach, Turnip, Sage, Potatoes, Top Onions.

**MAY**—Plant in Open Ground. Asparagus, Beans, Beets, Broccoli, Brussels Sprouts, Late Cabbage, Carrot, Cauliflower, Celery, Sweet Corn, Cress, Cucumber, Kale, Lettuce, Melon, Okra, Onion, Parsley, Parsnip, Peas, Potatoes, Radish, Rhubarb, Kohlrabi, Salsify, Round Spinach, Squash, Tomato, Early Turnip, Herbs.

**JUNE**—Plant in Open Ground. Lima Beans, Beets, Broccoli, Brussels Sprouts, Cabbage, Carrot, Sweet Corn, Cress, Cucumber, Kale, Kohlrabi, Lettuce, Nasturtium, Okra, Peas, Potatoes, Parsnip, Radish, Salsify, Spinach, Squash, Ruta, Baga, Melon, Herbs.

**JULY**—Plant in Open Ground. Beans, Beets, Cauliflower, Celery, Carrot, Sweet Corn, Cress, Cucumber, Late Cabbage, Kale, Kohlrabi, Nasturtium, Okra, Peas, Parsnip, Winter Radish, Spinach, Ruta Baga.

**AUGUST**—Plant in Open Ground. Bush Beans, Late Celery, Late Cabbage, Cucumber, Lettuce, Peas, Radish, Spinach, Turnip.

**SEPTEMBER**—Plant in Open Ground. Cabbage, Cauliflower and Lettuce for wintering in cold frames. Asparagus, Celery, Kale, Mustard, Winter Radish, Spinach, Turnip.

